

**Section 9841 – Los Angeles County
ACP 5**



Los Angeles County Coastal Environment

Section 9841 – Los Angeles County

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9841.1 Environmentally Sensitive Sites – Los Angeles County

The purpose of this section is to provide background, definitions, and philosophy behind the Site Summary and Strategy Sheets in ACP Section 9800. Both Federal and State laws require that sites having special ecological sensitivity be identified and provisions be made to protect or otherwise mitigate for the site impacts from spills. In California these locations are termed “Sensitive Sites”. A narrative and diagram of each site with specific ecological and operational information has been developed.

The development of specific protection strategies to meet the site specific needs was conducted using a standardized protocol to ensure consistency for California’s entire coast. The process of site visits, training exercises, and discussions allows trustees and response experts to exchange concerns and feasibility limitations in forming protection strategies. Using this approach, the local area committee incorporates input of State and Federal trustees, and stakeholders (industry, spill response co-ops and contractors, non-governmental environmental groups, and other agencies) to form consensus on the appropriate site protection strategies and response resources. The committee will revise strategies based on new knowledge and to adapt to changing conditions. This information is updated and maintained by the Department of Fish and Game, OSPR, in the Site Information and Spill Response Strategy (SISRS) database. The sensitive site ACP pages included in Section 9841.1 are produced from the SISRS database, and the database always has the most current information available for sensitive sites.

The environmental sensitivity differs by location or season depending on conditions or the presence of species. A ranking index was developed in order to identify the relative protection priority of sites. These ranks define the environmental sensitivity of the area and its resources at risk. Accordingly each site is ranked A, B, or C based on the following definitions:

Category A - Extremely Sensitive - first priority for protection:

Wetlands, estuaries and lagoons with emergent vegetation (marsh-riparian ESI 10) Sheltered tidal flat (ESI 9); and Habitats for rare, threatened or endangered species (State or Federal); Sites of significant concentrations of vulnerable and sensitive species (e.g. pinniped pupping)

Category B - Very Sensitive - second priority for protection

Major pinniped haulout areas during non-pupping seasons; Moderate concentrations of vulnerable and sensitive species; other low energy habitats (ESI types 8A, 8B, 7 and 6B)

Category C - Sensitive - third priority for protection

Higher energy habitats (ESI 6A through 1) for example: *Habitats important to large numbers of species of sport, commercial value, and scientific interest or species experiencing significant population declines though not yet threatened.*

In addition to the environmental narratives shown on the Site Summary page, a Site Strategy narrative provides information on protection strategies, recommended resources, and site logistical and access information. These Site Strategies are intended as guidelines to assist responders during the initial hours of a spill response. The intent of the site strategies is to provide initial recommendations to protect the site

until actual conditions and needs at sensitive sites can be determined to provide appropriately modified strategies. In other words, strategies presented here are flexible and may require modification in real response situations.

The strategies provided here are the best available response options for foreseeable typical wind and current conditions at the respective sites. Those conditions may not prevail at the time of the spill. Responders and planners may need to adjust strategies to meet the needs presented by prevailing conditions; following the initial emergency response many sites may have alternative strategies to accommodate differences in conditions.

This section provides detailed information on Environmentally Sensitive Sites in Los Angeles County. Each site is described on multiple pages: Site Summary, Site Strategy, and Diagram. The Site Summary page provides a brief description of the site including location, access, specific concerns, agency contacts, etc. The Site Strategy page provides specific information on response strategies to be implemented to protect the site from marine oil spills. The diagram page shows the protection strategies, topography and roads.

Some sites have more than one protection strategy. These additional strategies may be used as back-ups to the primary protection strategy or as alternatives to accommodate prevailing conditions. It should be understood that the described strategies are intended as initial protection strategies for the first 24 hours of a spill. Additional or modified protection measures should also be considered.



Index Map – Santa Monica Bay Environmentally Sensitive Sites

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County: **Los Angeles Co./** Thomas Guide Location:

ACP Division:

Latitude N

Longitude W

USGS Quad:

NOAA Chart: **18740**

Decimal Minutes:

Decimal Degrees:

Last Page Update : 3/11/2008

SITE DESCRIPTION:

Snowy plover and least tern nesting sites are seasonally occupied at various coastal beach sites. The birds may have active nests, or chicks may be actively moving about the described area. Care should be given to minimize disturbance and avoid injury to either nests, or chicks.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - All year. Nesting: Snowy plovers and least terns generally nest on coastal sandy beaches between early May and mid-September. Between October and April nesting is not a concern. Over-wintering: During the non-nesting months of October to April, adult snowy plovers may continue to utilize beach habitats. Adult least terns migrate south.

RESOURCES OF PRIMARY CONCERN

Sandy shoreline.

Snowy plovers (Federal threatened species) are small, white and tan colored shorebirds. Least terns (Federal and State endangered species) are small, gull-like, gray, white and black colored diving birds. Snowy plovers tend to nest in the rack line of the high-high tide, while least terns generally tend to nest in dune areas slightly farther from the shoreline. Nests are usually constructed on loose sand, and are easily stepped on due to their very cryptic nature. Chicks are known to run between nests and the waterline. Snowy plovers adults forage while wading along the shoreline. Least tern adults dive into the water to forage in shallow, nearshore areas of the open coast, embayments, estuaries, and dune lakes.

Intertidal fish, including Grunion, and invertebrates.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Archaeological issues may be associated with the identified location. South Central Coastal Information Center, or State Historical Information Preservation Office should be notified within 48 hours if no other overriding issues are identified to warrant earlier notifications.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Los Angeles County Lifeguard Malibu	(310) 457-2525
O		Los Angeles County Lifeguard Topanga to Ballona	(310) 394-3261
O		Los Angeles County Lifeguard Redondo Beach	(310) 372-2162
T		South Central Coastal Information Center	(714) 278-5395
T		Office of Historic Preservation	(916) 653-6624
O		Los Angeles County Fire	(323) 881-6105
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (grunion fishery)	(562) 342-7199
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Joe Cordaro Marine Mammals	NOAA/Nat. Mar. Fish. Service	(562) 980-4017
T	Robert Read Marine Mammals	Calif. Dept. of Fish and Game Marine Region	(858) 467-4213

ADDITIONAL SITE SUMMARY COMMENTS:

5-000 -A Site Strategy - Typical LA-LB Sandy Beach**5-000 -A**County: **Los Angeles Co./** Thomas Guide Location:

ACP Division:

Latitude N

Longitude W

USGS Quad:

NOAA Chart: **18740**

Decimal Minutes:

Decimal Degrees:

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

Beach bird-nesting sites are shallow depressions scratched out from the sand surface on sandy beaches above the highest tide line. The nest sites are typically very well disguised and difficult to see, even for trained eyes. Nest sites may contain either eggs, or chicks which are potentially vulnerable to trampling by vehicles or foot traffic. Snowy plover adults and chicks, and least tern chicks are known to move between the nest sites and the active water line. Over-wintering snowy plover adults may be foraging throughout the response area. To aid in avoiding damage to nests, consider delineation of nesting areas.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions. Strong surf.

SITE STRATEGIES

Strategy 5-000.1 Objective: Beach pre-clean and clean under close supervision of a natural resource specialist.

Nests and critical habitat protection areas will require oversight by a natural resource specialist prior to response effort execution. Pre-clean the beach and stockpile kelp and surfgrass rack in designated areas for re-distribution after response efforts are completed. Solid waste and rack will be directed to separated collection locations. Oil spill response and cleanup activity will be limited to locations below the high tide line unless authorized by trustee agency specialist, or designee (biological monitor). The area to be protected will be monitored by an assigned biological monitor. Oil removal will be conducted by hand crews unless other methods are recommended by the biological monitor.

Strategy 5-000.2 Objective: Removal of eggs to prevent injury.

At the discretion of the biological monitor, in consultation with the U.S. Fish and Wildlife Service, snowy plover or least tern eggs may be removed from nest's by authorized and qualified personnel to an approved facility to avoid injury. This determination will be made on-site utilizing oil trajectory and oil impact timing information.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-000.1					0		0	0			1	Nat Resource Spec.,	1 Front loader	8	
5-000.2					0		0	0			1	Nat Resource Spec.,	1 4WD Vehicle	0	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Most Access from Pacific Coast Highway (PCH or Highway 1).

LAND ACCESS:

Refer to coastal access mapping information to describe the best access point for response and natural resource protection. Access by crews and equipment should occur only through areas specifically designated by authorized monitoring personnel. Access points shall be minimized by size and number to reduce impacts. Site specific information will be developed during a response effort.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking
and Services Available:

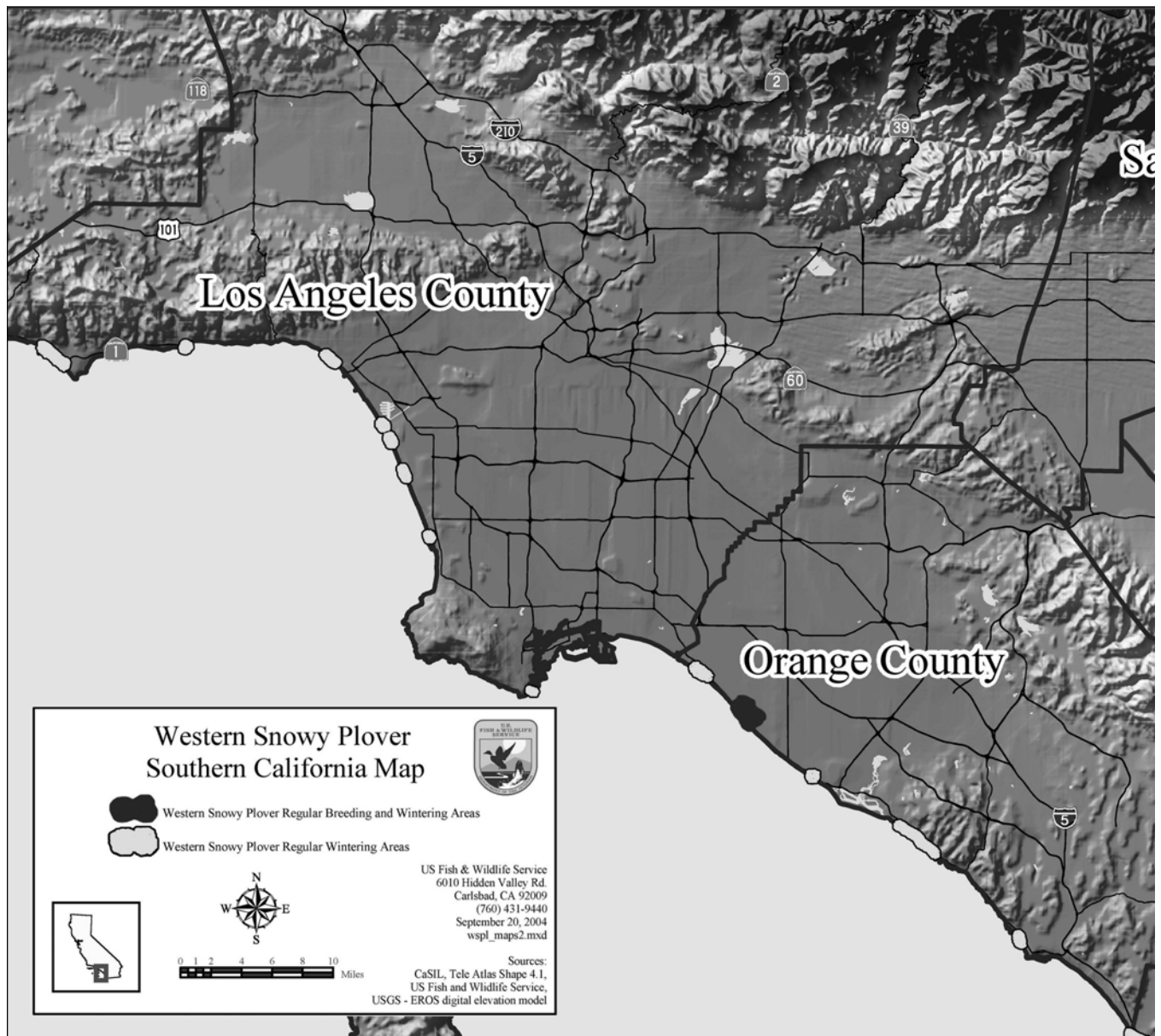
FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

A staging area will be determined as most suitable for response and natural resource protection for the affected location. All responders will be briefed on procedures for avoiding birds and nest sites to aid in minimizing damage to nest sites and associated wildlife.

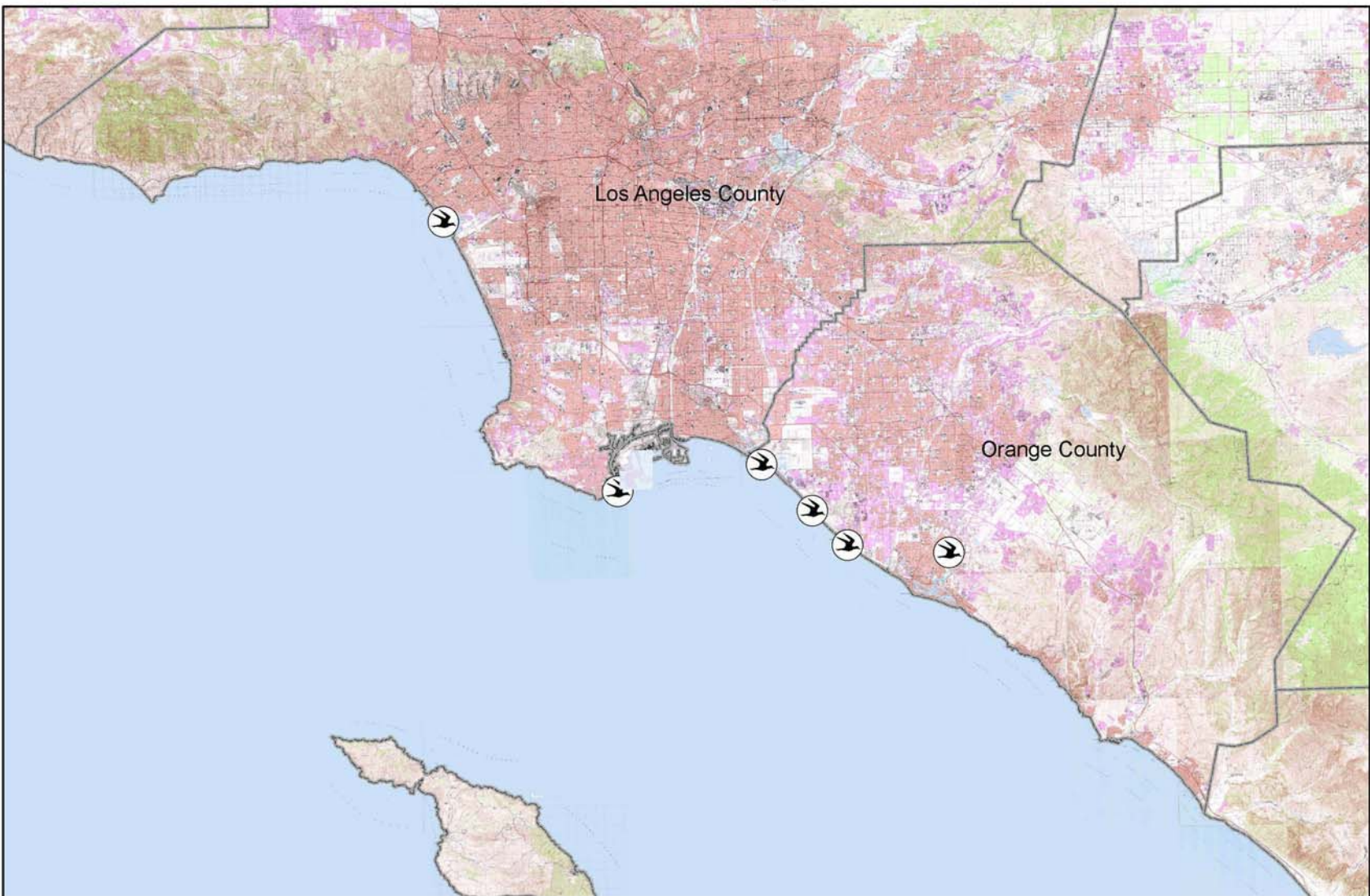
COMMUNICATIONS PROBLEMS: None.

ADDITIONAL OPERATIONAL COMMENTS:

Beaches must be precleaned. Watch for fenced Least Tern sites. See attached map for areas where Snowy Plovers are likely to be found.

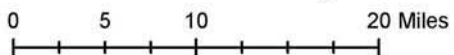


Los Angeles - Orange County Least Tern Nesting Sites



Least Tern Nesting Sites

Source: C Kong / C Thixton



5-105 -A Site Summary- Arroyo Sequit Creek**5-105 -A**

County: **Los Angeles Co.** Thomas Guide Location: **625 H6** ACP Division: **LA-A** Latitude N Longitude W
USGS Quad: **Triunfo** NOAA Chart: **18740** Decimal Minutes: **34 02.794** **118 56.030**
Decimal Degrees: **34.046560 -118.933830**

Last Page Update : 3/11/2008

SITE DESCRIPTION:

Small creek mouth that forms behind beach berm after seasonal rains. During the dry season (May - October), a sand berm is present which prevents creek flow into the ocean. During the rainy season (November - April) the sand berm is typically breached by creek runoff and/or tidal flows.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - All year. Winter/spring- Steelhead.

RESOURCES OF PRIMARY CONCERN

Coastal creek inlet.

California Brown Pelican (Federal and State endangered species), seabirds, shorebirds, and waterfowl.

Intertidal fish, including steelhead trout (Federal endangered species) and juvenile fish.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Probable archaeological sites within area. Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
C		Office of Historic Preservation	(916) 653-6624
O		Los Angeles County Fire Dept.	(310) 679-1131
T		Calif. Dept. of Parks and Recreation (Emergencies)	(916) 358-1300
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		U. S. Fish and Wildlife Service	(619) 431-9440
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Mary Larson Fisheries Biologist	Calif. Dept. of Fish and Game Reg 5	(562) 342-7186
T	Anthony Spina Fisheries	NOAA / Nat. Mar. Fish. Services	(562) 980-4045
T	Valerie Taylor Fisheries Biologist	Calif. Dept. of Fish and Game Reg 5	(562) 342-7170

ADDITIONAL SITE SUMMARY COMMENTS:

5-105 -A Site Strategy - Arroyo Sequit Creek**5-105 -A**

County: **Los Angeles Co.** Thomas Guide Location: **625 H6** ACP Division: **LA-A** Latitude N Longitude W
USGS Quad: **Triunfo** NOAA Chart: **18740** Decimal Minutes: **34 02.794** **118 56.030**
Decimal Degrees: **34.046560** **-118.933830**

Last Page Update : **6/29/2007****CONCERNS and ADVICE to RESPONDERS:**

Protect endangered and sensitive species and habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the habitat through response activities.

HAZARDS and RESTRICTIONS:

Microbiological hazard from contaminated water. Be aware of traffic conditions to include vehicle speed and congestion along PCH.

SITE STRATEGIESStrategy 5-105.1 Objective: Exclusion of oil entry into creek mouth.

Construct berm across mouth of creek utilizing on site sand and/or imported material. Install underflow piping in berm to allow out flow of creek water. Cover berm with plastic sheeting to minimize erosion. Back berm with 10' swamp boom and sorbent boom.

Strategy 5-105.2 Objective: Exclusion of oil entry into creek mouth.

Deploy exclusion boom across the inlet of the creek, south of PCH and north of berm. Boom configuration should be placed to direct the collection of oil. Back boom with sorbent boom. If oil is present, line collection area with sorbent boom to minimize oiling.

Strategy 5-105.3 Objective: Exclusion of oil entry into creek mouth.

Construction of a filter barrier (excellent fence) to protect from wash-over.

Table of Response Resources

number	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-105.1	200		200	0			0			1	Backhoe (min)		4	2
5-105.2	200		200	0			0	2		8	Stakes		4	2
5-105.3		2000 Pomp		0			0	0		12	Stakes and Fencing		6	2

LOGISTICS**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From PCH in Malibu, go north to Leo Carrillo State Beach at 35000 PCH.

LAND ACCESS: Access from Leo Carrillo State Beach parking lot at 35000 PCH.

WATER LOGISTICS: Shallow creek and rocky point with limited water access.

Limitations: depth, obstruction

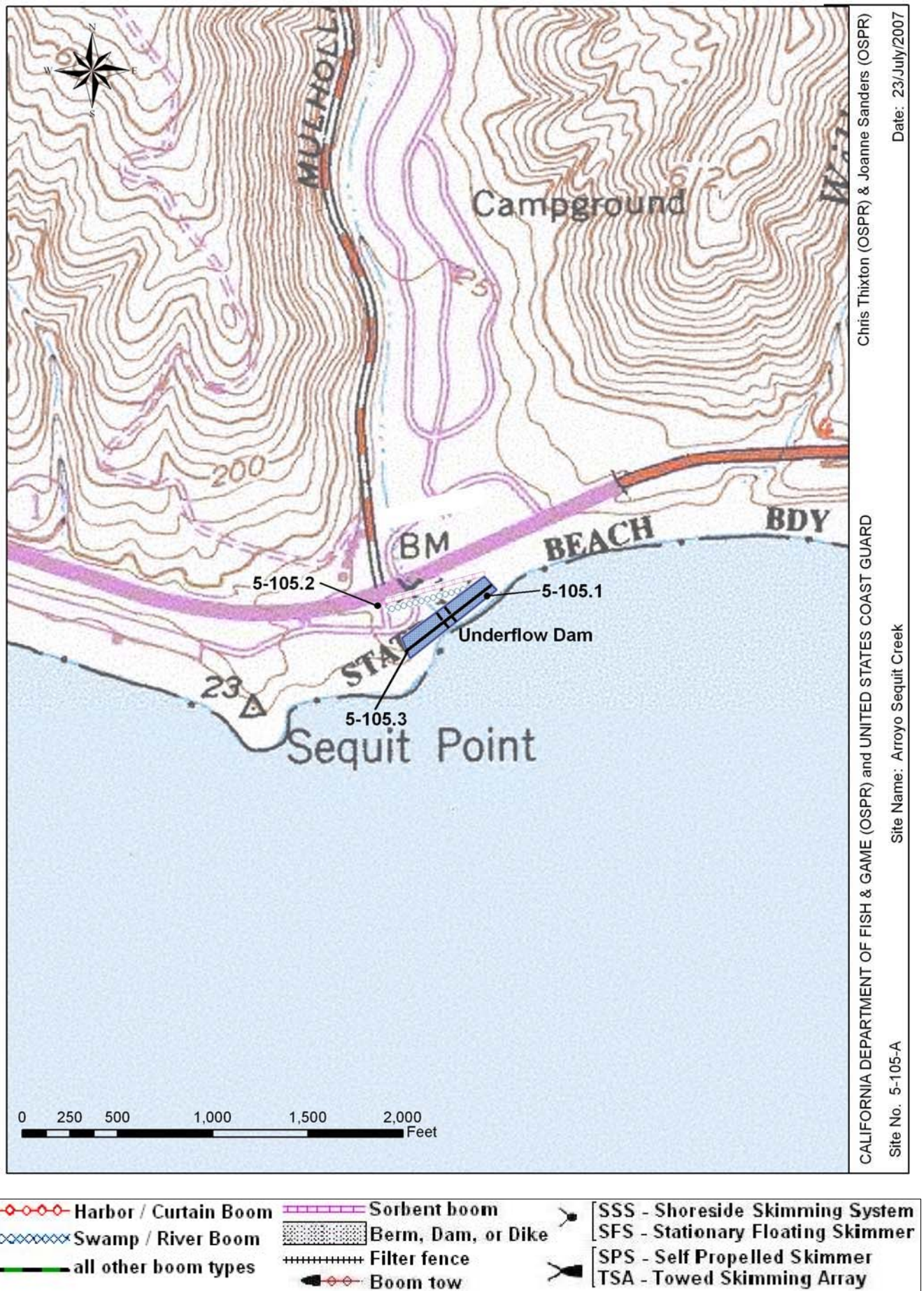
Launching, Loading, Docking No boat ramps. Launch punts from sandbar at mouth of the creek.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Parking and staging in State Beach parking lot. There is street and off-street parking along PCH.

COMMUNICATIONS PROBLEMS: Possible limited cell phone coverage based on local provider.

ADDITIONAL OPERATIONAL COMMENTS:



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5-110 -A Site Summary- Malibu Lagoon Coastal Wetland**5-110 -A**

County: **Los Angeles Co.** Thomas Guide Location: **629 A7** ACP Division: **LA-C** Latitude N Longitude W
USGS Quad: **Malibu Beach** NOAA Chart: **18744** Decimal Minutes: **34 02.0** **118 41.0**
Decimal Degrees: **34.032400 -118.679800**

Last Page Update : 3/11/2008

SITE DESCRIPTION:

Coastal lagoon and wetlands complex. Entrance to sea is often closed by sand during low rain fall seasons.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - All year. Winter/spring- Steelhead.

RESOURCES OF PRIMARY CONCERN

Coastal lagoon and wetlands complex.

California Brown Pelican (Federal and State endangered species), seabirds, shorebirds, and waterfowl.

Intertidal fish, including Tidewater Goby (Federal and State endangered species). Steelhead Trout (Federal endangered species) and juvenile fish.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Probable archaeological sites

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Los Angeles County Lifeguard Malibu	(310) 457-2525
C		Office of Historic Preservation	(916) 653-6624
O		Los Angeles County Fire	(323) 881-6105
O		Los Angeles County Fire Dept.	(310) 679-1131
T		Calif. Dept. of Parks and Recreation (Emergencies)	(916) 358-1300
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		U. S. Fish and Wildlife Service	(619) 431-9440
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Anthony Spina Fisheries	NOAA / Nat. Mar. Fish. Services	(562) 980-4045
T	Valerie Taylor Fisheries Biologist	Calif. Dept. of Fish and Game Reg 5	(562) 342-7170

ADDITIONAL SITE SUMMARY COMMENTS:

5-110 -A Site Strategy - Malibu Lagoon Coastal Wetland**5-110 -A**

County: **Los Angeles Co.** Thomas Guide Location: **629 A7** ACP Division: **LA-C** Latitude N Longitude W
USGS Quad: **Malibu Beach** NOAA Chart: **18744** Decimal Minutes: **34 02.0** **118 41.0**
Decimal Degrees: **34.032400 -118.679800**

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect endangered and sensitive species and wetland habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the wetland through response activities.

HAZARDS and RESTRICTIONS:

Microbiological hazard from contaminated water. Be aware of traffic conditions to include vehicle speed and congestion along PCH.

SITE STRATEGIESStrategy 5-110.1 Objective: Exclusion of oil entry to wetland.

A complete closing off of the Malibu Creek Inlet by means of intertidal boom.

Strategy 5-110.2 Objective: Exclusion of oil entry to wetland.

Deflection boom or booms in cascade pattern to move oil to a collection point for a skimmer. Sorbent booms can be placed on the shoreline to help in clean-up. If oil does reach the shorelines then mechanical or manual removal or cleaning of impacted area may become necessary.

Strategy 5-110.3 Objective: Exclusion of oil entry to wetland.

Construction of a filter barrier (excellent fence) if there is a shortage of sand to protect from high tides or waves.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-110.1			500 Intert	500	0			2			0			4	2
5-110.2	1200			1200	0		0	2			0			8	2
5-110.3			2000 Pomp		0		0	0			12	Stakes and Fencing		10	2

LOGISTICS**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From PCH in Malibu, go south on Cross Creek Rd. until you reach the State Park parking lot.

LAND ACCESS: Access from PCH, Malibu Colony Road, and State Beach parking lot.

WATER LOGISTICS: Shallow water and heavy vegetation.

Limitations: depth, obstruction

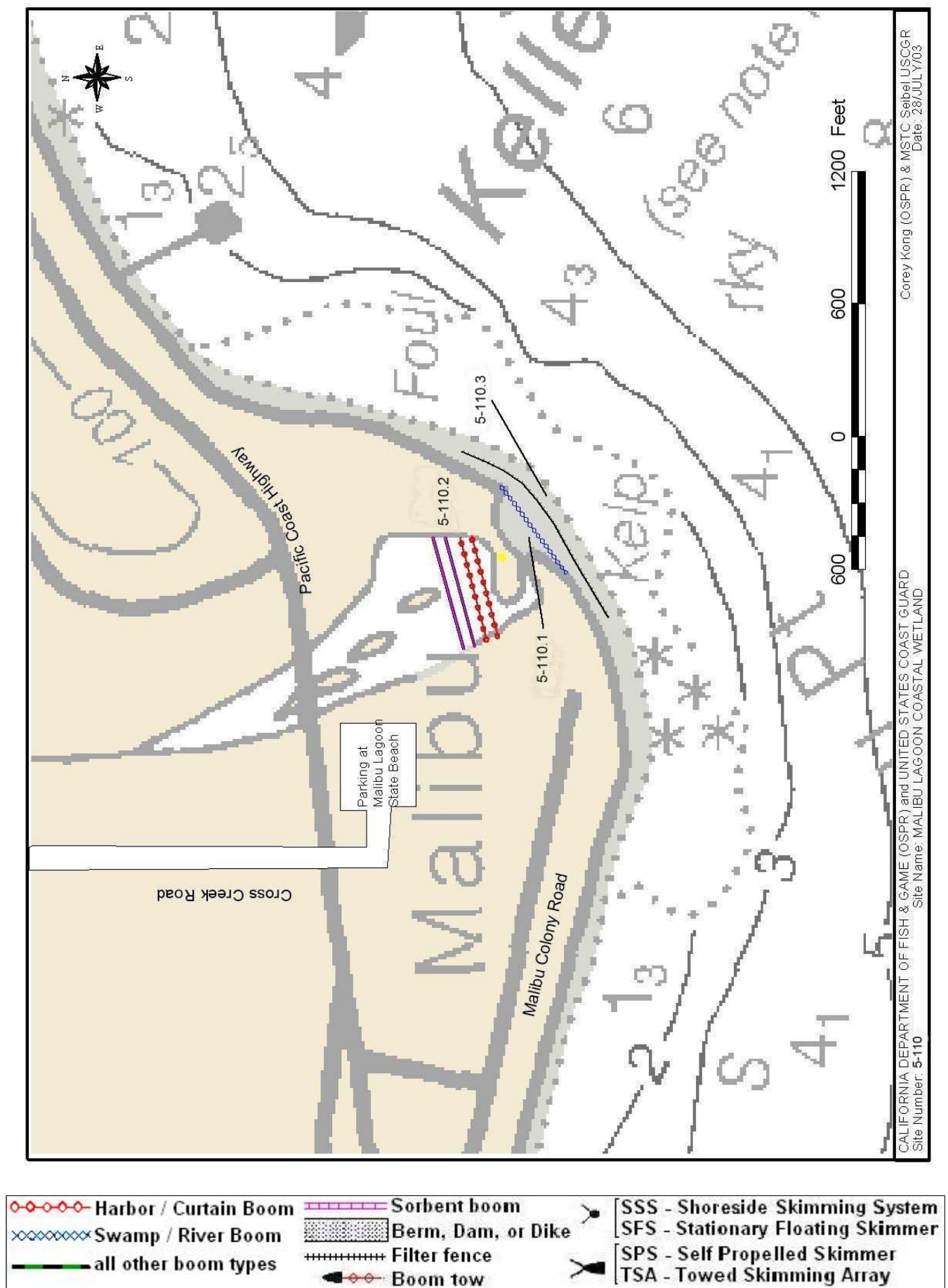
Launching, Loading, Docking No boat ramps. Launch punts from sandbar at mouth of the lagoon.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Parking and staging in State Park parking lot. There is street and off-street parking along PCH near Surfrider County Beach.

COMMUNICATIONS PROBLEMS: None.

ADDITIONAL OPERATIONAL COMMENTS:



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County: **Los Angeles Co.** Thomas Guide Location: 630 D6 ACP Division: LA-C Latitude N Longitude W
 USGS Quad: **Topanga** NOAA Chart: **18744** Decimal Minutes: 34 02.393 118 34.808
 Decimal Degrees: 34.039880 -118.580130

Last Page Update :	3/11/2008
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SITE DESCRIPTION:

Small creek mouth backed by intermittent lagoon system that forms behind beach berm after seasonal rains. During the dry season (May - October), a sand berm is present which prevents creek flow into the ocean. During the rainy season (November - April) the sand berm is typically breached by creek runoff and/or tidal flows

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - All year. Winter/spring- Steelhead.

RESOURCES OF PRIMARY CONCERN

Coastal lagoon/creek inlet.

California Brown Pelican (Federal and State endangered species), seabirds, shorebirds, and waterfowl.

Intertidal fish, including Tidewater Goby (Federal and State endangered species). Steelhead Trout (Federal endangered species) and juvenile fish.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Probable archaeological sites within area. Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
C		Office of Historic Preservation	(916) 653-6624
O		Los Angeles County Fire Dept.	(310) 679-1131
T		Calif. Dept. of Parks and Recreation (Emergencies)	(916) 358-1300
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		U. S. Fish and Wildlife Service	(619) 431-9440
O		Los Angeles County Fire	(323) 881-6105
O		Los Angeles County Lifeguard Topanga to Ballona	(310) 394-3261
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Mary Larson Fisheries Biologist	Calif. Dept. of Fish and Game Reg 5	(562) 342-7186
T	Anthony Spina Fisheries	NOAA / Nat. Mar. Fish. Services	(562) 980-4045
T	Valerie Taylor Fisheries Biologist	Calif. Dept. of Fish and Game Reg 5	(562) 342-7170

ADDITIONAL SITE SUMMARY COMMENTS:

5-115 -A Site Strategy - Topanga Creek**5-115 -A**

County: **Los Angeles Co.** Thomas Guide Location: **630 D6** ACP Division: **LA-C** Latitude N Longitude W
USGS Quad: **Topanga** NOAA Chart: **18744** Decimal Minutes: **34 02.393** **118 34.808**
Decimal Degrees: **34.039880 -118.580130**

Last Page Update : 6/29/2007

CONCERNS and ADVICE to RESPONDERS:

Protect endangered and sensitive species and habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the habitat through response activities.

HAZARDS and RESTRICTIONS:

Microbiological hazard from contaminated water. Be aware of traffic conditions to include vehicle speed and congestion along PCH.

SITE STRATEGIESStrategy 5-115.1 Objective: Exclusion of oil entry into creek mouth and lagoon.

Construct berm across mouth of creek utilizing on site sand and/or imported material. Install underflow piping in berm to allow out flow of creek water. Cover berm with plastic sheeting to minimize erosion. Back berm with 10' swamp boom and sorbent boom.

Strategy 5-115.2 Objective: Exclusion of oil entry into creek mouth and lagoon.

Deploy exclusion boom across the inlet of the creek, south of PCH and north of berm. Boom configuration should be placed to direct the collection of oil. Back boom with sorbent boom. If oil is present, line collection area with sorbent boom to minimize oiling.

Strategy 5-115.3 Objective: Exclusion of oil entry into creek mouth and lagoon.

Construction of a filter barrier (excellent fence) to protect from wash-over.

Table of Response Resources

number	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-115.1	200		200	0			0			1	Backhoe (min)		4	2
5-115.2	200		200	0			0	2		8	Stakes		4	2
5-115.3		2000 Pomp		0			0	0		12	Stakes and Fencing		6	2

LOGISTICS**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

From PCH in Santa Monica, go north until you reach the county beach parking lot at the 18700 block of PCH.

LAND ACCESS: Access from PCH at the County Beach Parking Lot at 18700 PCH.

WATER LOGISTICS: Shallow creek and rocky point with limited water access.

Limitations: depth, obstruction

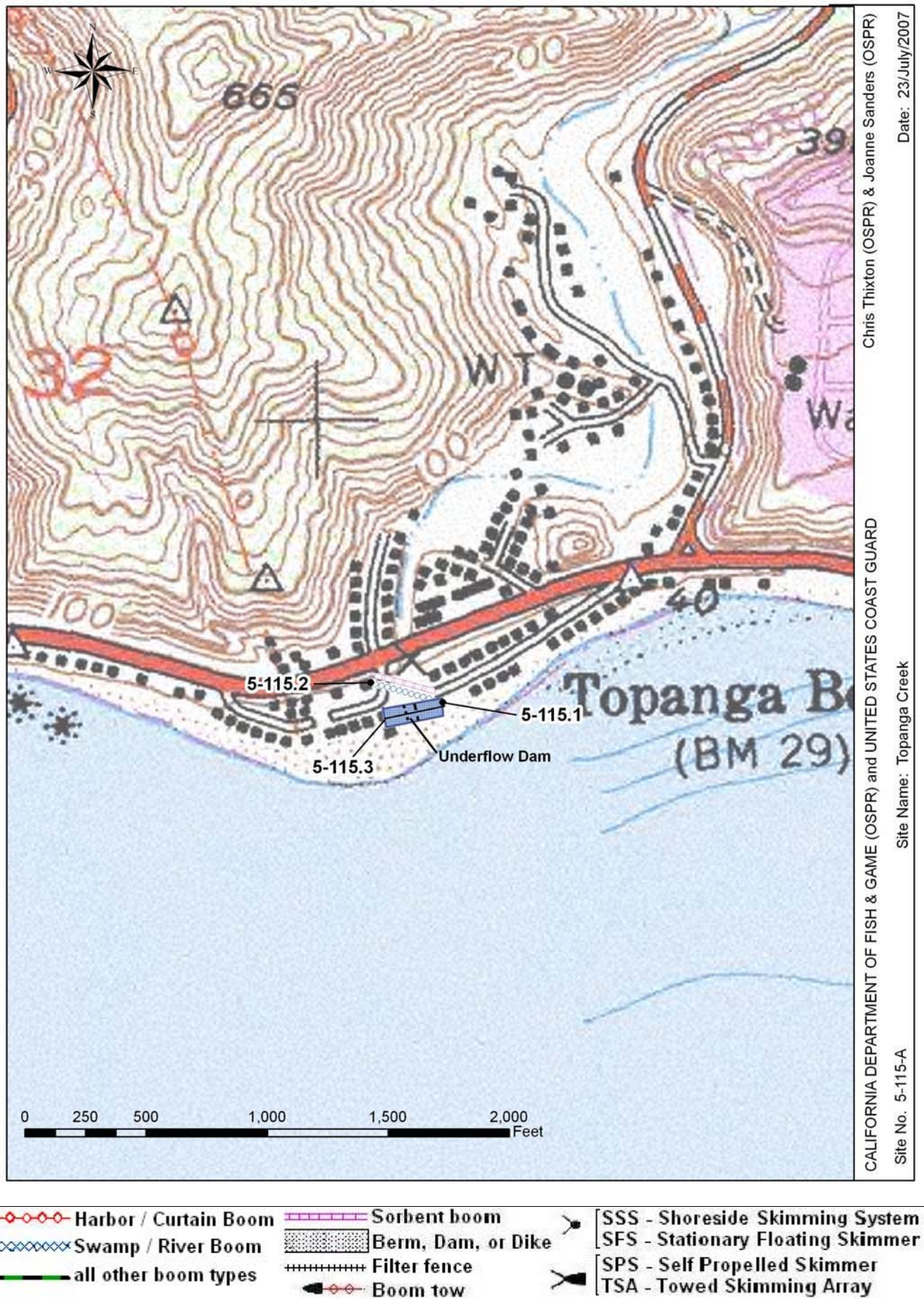
Launching, Loading, Docking No boat ramps. Launch punts from sandbar at mouth of the lagoon.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Parking and staging in County Beach parking lot. There is street and off-street parking along PCH. Heavy equipment access through lifeguard road.

COMMUNICATIONS PROBLEMS: Possible limited cell phone coverage based on local provider.

ADDITIONAL OPERATIONAL COMMENTS:



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5-120 -A/C Site Summary- Venice Beach

5-120 -A/C

County: **Los Angeles Co.** Thomas Guide Location: 701 J2 ACP Division: LA-D Latitude N Longitude W
USGS Quad: **Venice** NOAA Chart: **18744** Decimal Minutes: 33 58.0 118 28.0
Decimal Degrees: 33.965900 -118.456600
Last Page Update : 3/11/2008

SITE DESCRIPTION:

Feeding site at fore beach; fenced nesting site on upper portion of beach north of Ballona Creek entrance (Marina Del Rey). Medium grain sand beach. Grunion spawning at high tide - usually at ends of beach.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A: April to September.

Western Snowy Plovers and California Least Terns both nest above the high tide line. Western Snowy Plover chicks move to wave wash zone after hatching. California Least Terns forage in offshore waters.

Other concerns: Grunion runs - late February to early September - Grunion lay eggs in sand at highest tide line. Eggs are very vulnerable to oil and beach clean-up.

RESOURCES OF PRIMARY CONCERN

Nesting and feeding site.

California Least Tern (Federal and State endangered species) and Western Snowy Plover (Federal endangered species).

Intertidal fish, including Grunion, and invertebrates.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Los Angeles County Lifeguard Topanga to Ballona	(310) 394-3261
O		Los Angeles County Fire	(323) 881-6105
O		Los Angeles County Fire Dept.	(310) 679-1131
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (grunion fishery)	(562) 342-7199
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052

ADDITIONAL SITE SUMMARY COMMENTS:

5-120 -A/C Site Strategy - Venice Beach

5-120 -A/C

County: **Los Angeles Co.** Thomas Guide Location: 701 J2 ACP Division: LA-D Latitude N Longitude W
USGS Quad: **Venice** NOAA Chart: **18744** Decimal Minutes: 33 58.0 118 28.0
Decimal Degrees: 33.965900 -118.456600

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect endangered species nesting and feeding habitat. Responders should avoid fenced bird nesting area.

HAZARDS and RESTRICTIONS:

SITE STRATEGIES

Strategy 5-120.1 Objective: Prevent impact to Least Tern nesting site.

Mark nesting area, avoid disturbances, and look-out for oiled birds.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-120.1					0			0			1		Nat Resource Spec		

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Lincoln Blvd. (Highway 1) in Marina Del Rey, go west on Washington Blvd. and south on Pacific Ave. until you reach the terminus at Via Marina. There will be a parking lot.

LAND ACCESS: Go west from parking area until you reach the fenced Least Tern area.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

and Services Available:

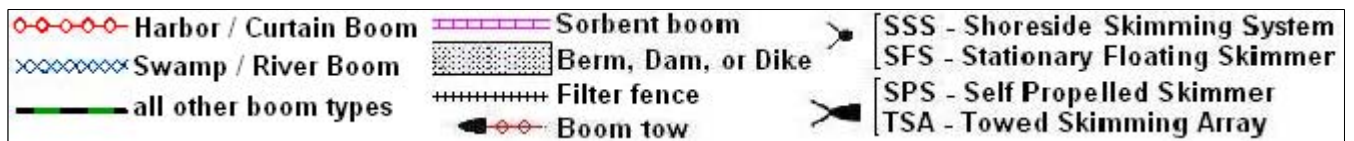
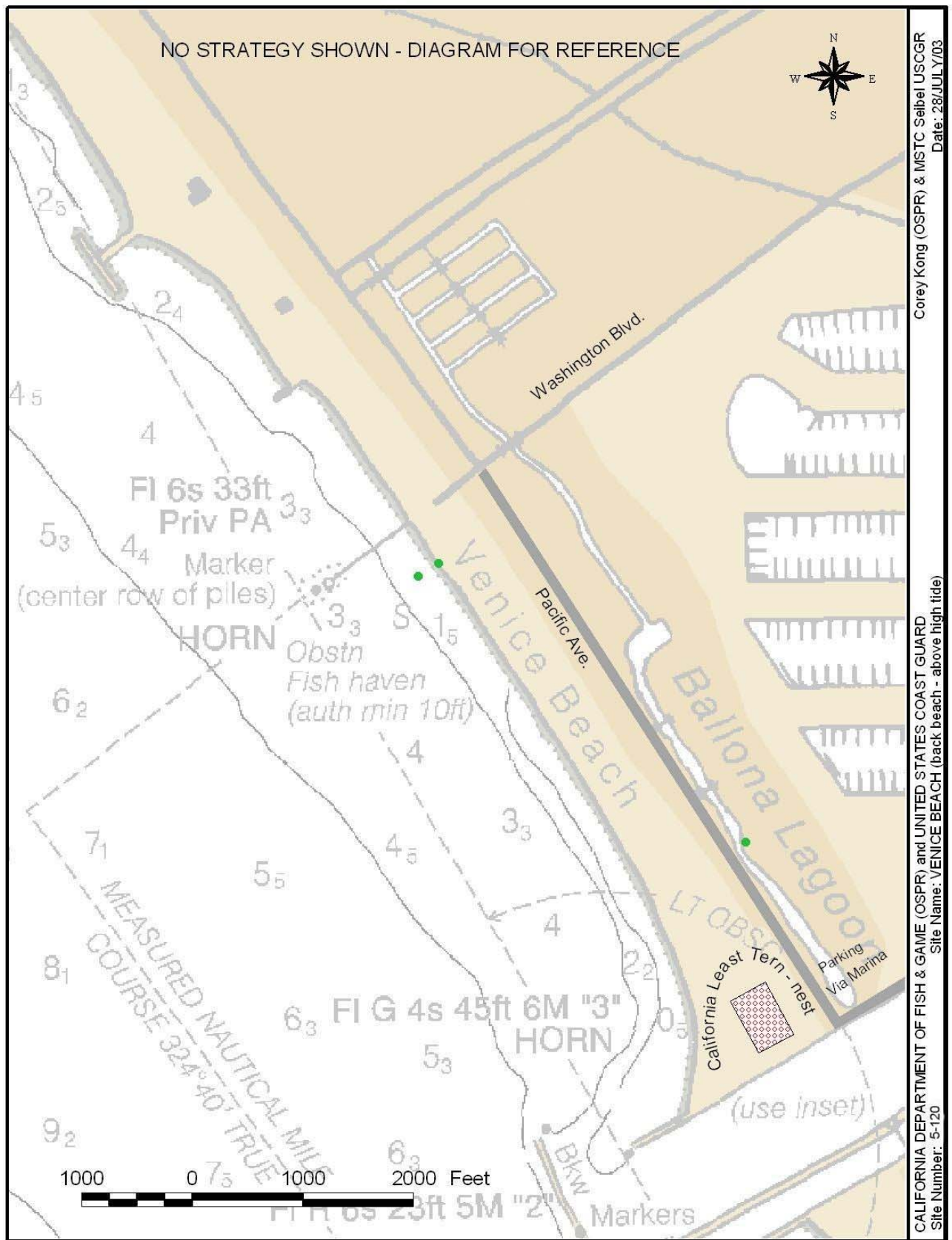
FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

Parking at Pacific Ave. and Via Marina.

COMMUNICATIONS PROBLEMS: None.

ADDITIONAL OPERATIONAL COMMENTS:

Access to beach from Pacific Ave.



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5-130 -A/C Site Summary- Marina Del Rey Breakwater**5-130 -A/C**

County: **Los Angeles Co.** Thomas Guide Location: **701 J3** ACP Division: **LA-D** Latitude N Longitude W
USGS Quad: **Venice** NOAA Chart: **18744** Decimal Minutes: **33 57.6** **118 28.0**
Decimal Degrees: **33.960500 -118.461700**

Last Page Update :	3/11/2008
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SITE DESCRIPTION:

Riprap to 10 feet above mean lower low water.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A: Presence of listed species; otherwise Rank C.

RESOURCES OF PRIMARY CONCERN

Seabird roosting site. During the night, this is a major Brown Pelican roosting site.

California Brown Pelican (Federal and State endangered species).

Invertebrates, including Spiny Lobster.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Los Angeles County Lifeguard Topanga to Ballona	(310) 394-3261
O		Los Angeles County Fire	(323) 881-6105
O		Los Angeles County Sheriff Dept. (MDR 24hr)	(310) 482-6000
O		Los Angeles County Fire Dept.	(310) 679-1131
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Rick Mayfield Reserve Manager	Calif. Dept. of Fish and Game	(858) 805-5489

ADDITIONAL SITE SUMMARY COMMENTS:

5-130 -A/C Site Strategy - Marina Del Rey Breakwater

5-130 -A/C

County: **Los Angeles Co.** Thomas Guide Location: 701 J3
USGS Quad: **Venice** NOAA Chart: **18744**

ACP Division: LA-D

Latitude N Longitude W
Decimal Minutes: 33 57.6 118 28.0
Decimal Degrees: 33.960500 -118.461700

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect endangered and sensitive species roosting habitat.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions.

SITE STRATEGIES

Strategy 5-130.1 Objective: Open water containment and recovery to prevent oil from reaching the breakwater.

Use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-130.1			1500 Ocea		0		4	0		0				8	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Boat launch available in Marina Del Rey. From Lincoln Blvd. (Highway 1) in Marina Del Rey, go west on Fiji Way. Boat launch is at 13477 Fiji Way in Basin H.

LAND ACCESS: Access by boat only.

WATER LOGISTICS: Heavy small boat traffic.

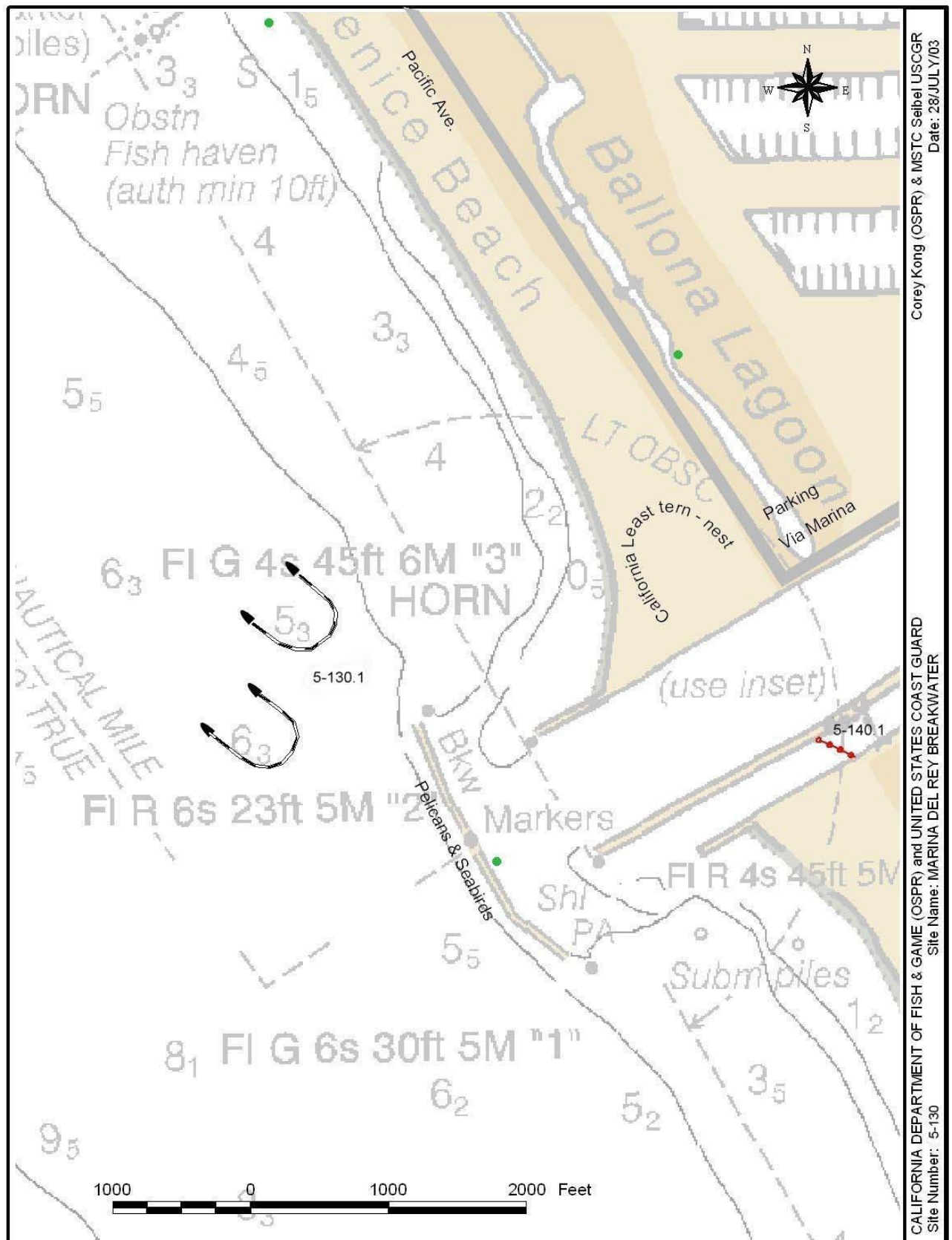
Limitations: depth, obstruction

Launching, Loading, Docking All services available.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS: None.

ADDITIONAL OPERATIONAL COMMENTS:



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5-140 -A/B Site Summary- Ballona Creek**5-140 -A/B**

County:	Los Angeles Co.	Thomas Guide Location:	702 A2	ACP Division:	LA-E	Latitude N	33 3 57	Longitude W	118 27
USGS Quad:	Venice	NOAA Chart:	18744			Decimal Minutes:	33.962514	Decimal Degrees:	-118.453706
							Last Page Update : 3/11/2008		

SITE DESCRIPTION:

Riprap lined channel.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A: Presence of listed species; otherwise Rank B.

RESOURCES OF PRIMARY CONCERN

Channel serves as coastal lagoon and wetlands complex.

Seabird and waterfowl resting and foraging site including California Brown Pelican (Federal and State endangered species), and California Least Tern (Federal and State endangered species) which has a nesting colony nearby.

Invertebrates.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Los Angeles County Lifeguard Topanga to Ballona	(310) 394-3261
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
O		Chevron 24 hr Dispatch	(310) 615-5172
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Rick Mayfield Reserve Manager	Calif. Dept. of Fish and Game	(858) 805-5489

ADDITIONAL SITE SUMMARY COMMENTS:

5-140 -A/B Site Strategy - Ballona Creek

5-140 -A/B

County: **Los Angeles Co.** Thomas Guide Location: **702 A2**
USGS Quad: **Venice** NOAA Chart: **18744**

ACP Division: **LA-E**

Latitude N Longitude W
Decimal Minutes: **3 3 57** **118 27**
Decimal Degrees: **33.962514 -118.453706**

Last Page Update : **4/21/2005**

CONCERNS and ADVICE to RESPONDERS:

To protect endangered and sensitive species foraging habitat.

HAZARDS and RESTRICTIONS:

SITE STRATEGIES

Strategy 5-140.1 Objective: Exclusion of oil entry to channel.

Cross channel booming.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-140.1	500				0		1	0		0				4	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Boat launch available in Marina Del Rey. From Lincoln Blvd. (Highway 1) in Marina Del Rey, go west on Fiji Way. Boat launch is at 13477 Fiji Way in Basin H. Ballona Creek is south of and parrallel to the Main Channel riprap.

LAND ACCESS: Parking lot at the northern terminus of Pacific Ave. in Playa Del Rey.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking All services available.

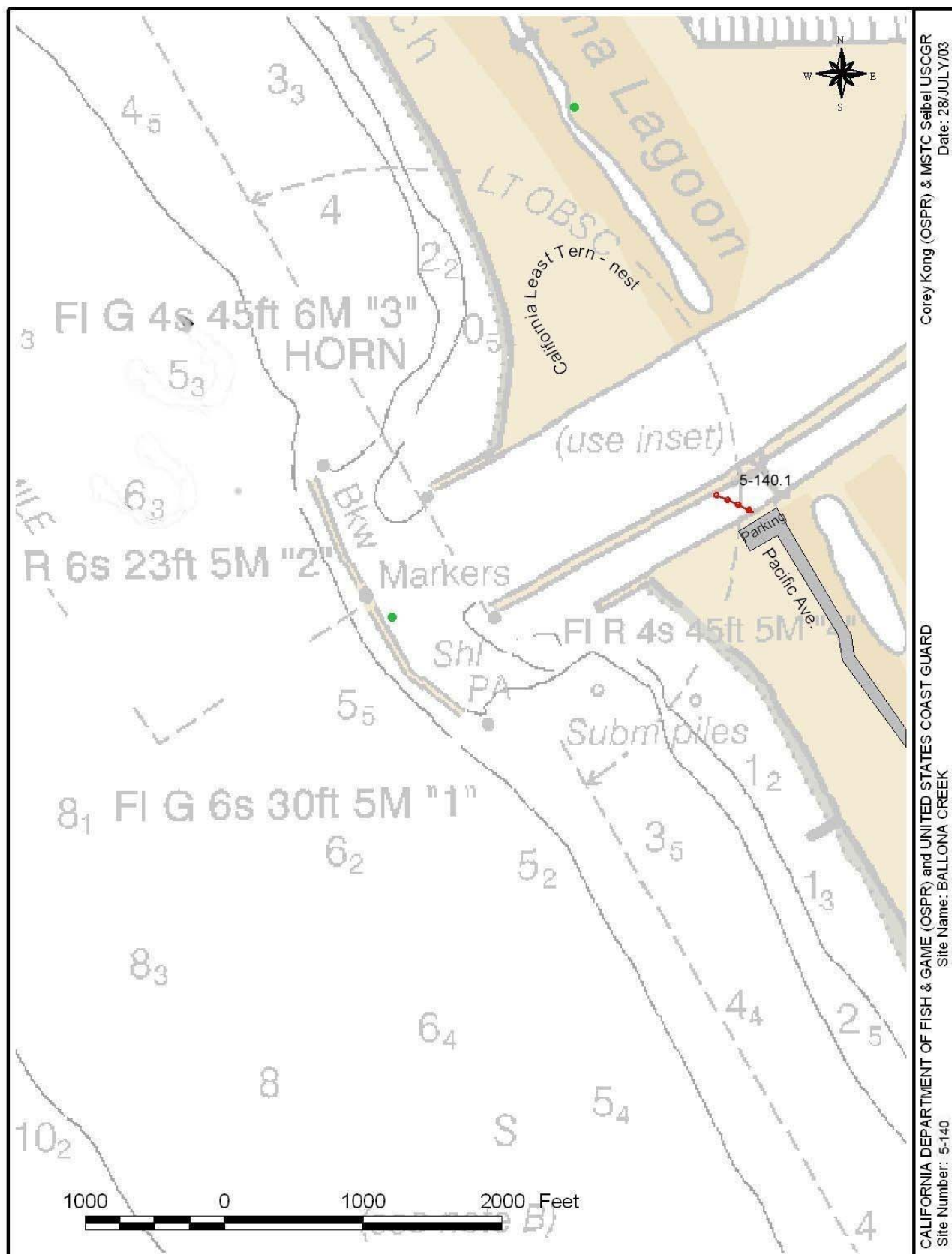
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS: None.

ADDITIONAL OPERATIONAL COMMENTS:

A pedestrian bridge crosses the Ballona Creek. Chevron has a pre-staged boom at Marina Del Rey Harbor. Call Chevron's 24 hr dispatch at (310) 615-5172.



Corey Kong (OSPR) & MSTC Seibel USCGR
Date: 28JULY/03

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
Site Name: BALLONA CREEK
Site Number: 5-140

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5-150 -A Site Summary- Ballona Lagoon Wetlands, Del Rey Lagoon**5-150 -A**

County: **Los Angeles Co.** Thomas Guide Location: **702 A2** ACP Division: **LA-E** Latitude N: **33 57.0** Longitude W: **118 27.0**
USGS Quad: **Venice** NOAA Chart: **18744** Decimal Degrees: **33.962890 -118.451850**

Last Page Update : 3/11/2008

SITE DESCRIPTION:

Coastal lagoon and wetlands complex.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - All year.

RESOURCES OF PRIMARY CONCERN

Coastal lagoon and wetlands complex.

California Brown Pelican (Federal and State endangered species), California Least Tern foraging area (Federal and State endangered species), Belding's Savannah Sparrow (State endangered species), shorebirds, and waterfowl.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Rick Mayfield Reserve Manager	Calif. Dept. of Fish and Game	(858) 805-5489

ADDITIONAL SITE SUMMARY COMMENTS:

5-150 -A Site Strategy - Ballona Lagoon Wetlands, Del Rey Lagoon

5-150 -A

County: **Los Angeles Co.** Thomas Guide Location: **702 A2** ACP Division: **LA-E** Decimal Minutes: **33 57.0** Latitude N **33 57.0** Longitude W **118 27.0**
USGS Quad: **Venice** NOAA Chart: **18744** Decimal Degrees: **33.962890 -118.451850**

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect endangered and sensitive species and wetland habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the wetland through response activities.

HAZARDS and RESTRICTIONS:

SITE STRATEGIES

Strategy 5-150.1 Objective: Exclusion of oil entry to wetland.

Close tidal gates.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-150.1					0			0	0		0				

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

From Lincoln Blvd. (Highway 1) in Marina Del Rey, go west on Culver Blvd. and north on Pacific Ave. until you reach the terminus. There will be a parking lot.

LAND ACCESS: From parking lot, walk east to tidal gates.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking

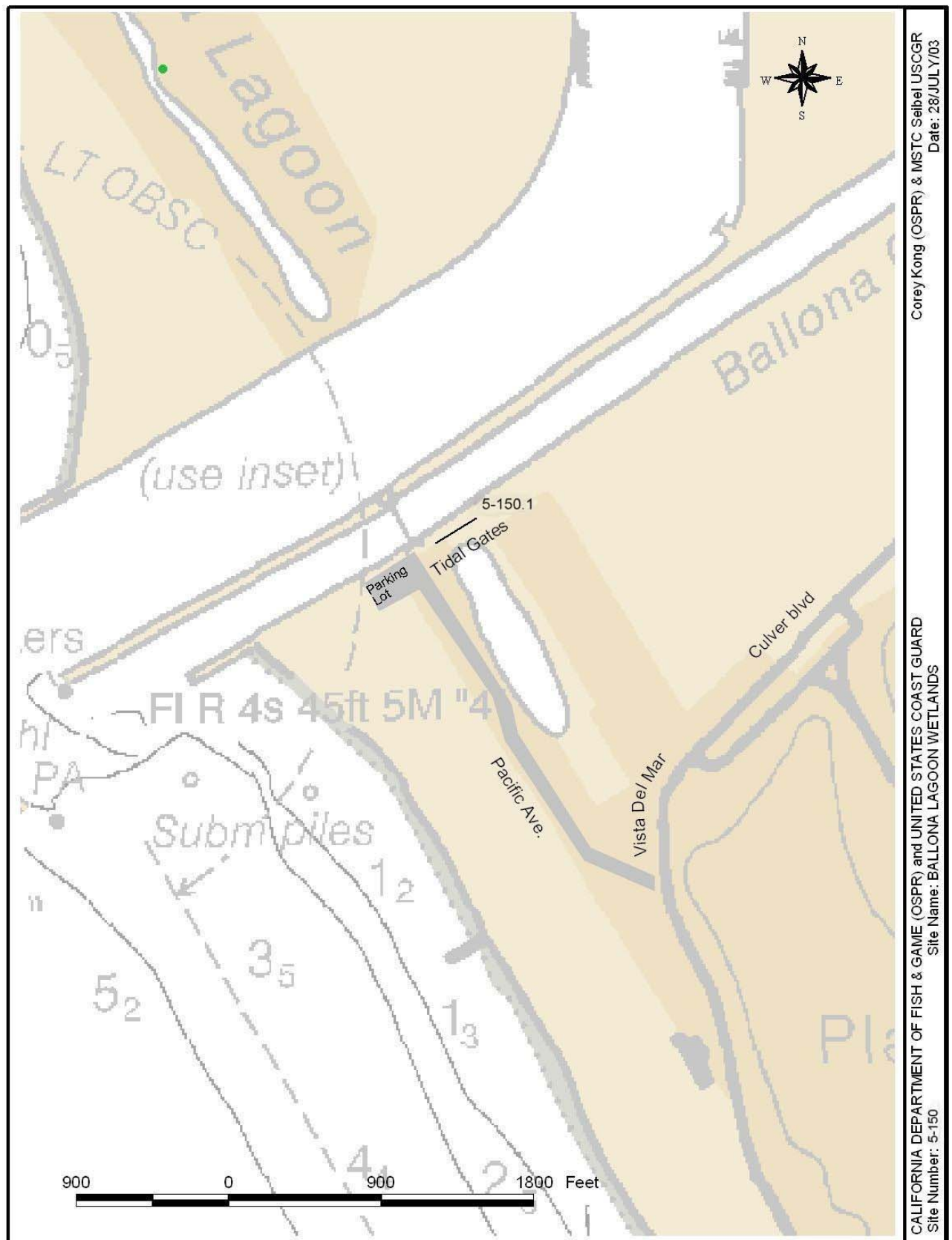
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS: None.

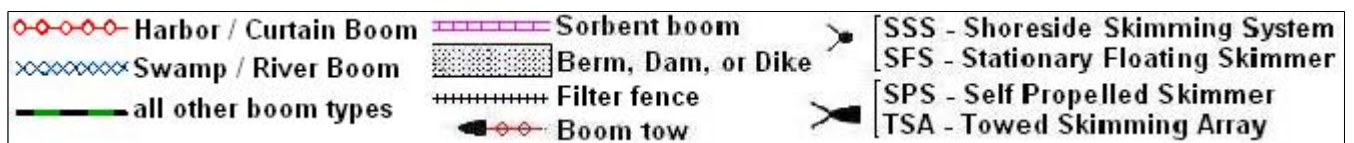
ADDITIONAL OPERATIONAL COMMENTS:

Several locations along Old Harbor channel Land and Esplanade Ave. that have access to these areas. First responders may need bolt cutters for locks to tidal gates.



Corey Kong (OSPR) & MSTC Seibel USCGR
Date: 28/JULY/03

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
Site Name: BALLONA LAGOON WETLANDS
Site Number: 5-150



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5-160 -A/C Site Summary- King Harbor Breakwater

5-160 -A/C

County: **Los Angeles Co.** Thomas Guide Location: **762 G4** ACP Division: **LA-E** Latitude N Longitude W
USGS Quad: **Redondo Beach** NOAA Chart: **18744** Decimal Minutes: **33 51.0** **118 24.0**
Decimal Degrees: **33.843597 -118.398797**

Last Page Update : 3/11/2008

SITE DESCRIPTION:

Long curving riprap seawall up to 10 feet above mean lower low water.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - Presence of listed species; otherwise Rank C.

RESOURCES OF PRIMARY CONCERN

Seabird roosting site. During the night, this is a major Brown Pelican roosting site.

California Brown Pelican (Federal and State endangered species).

California Sea Lion.

Invertebrates.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Los Angeles County Lifeguard Redondo Beach	(310) 372-2162
O		AES Power - Redondo Beach	(310) 318-7503
O		Los Angeles County Fire	(323) 881-6105
O		King Harbor Harbormaster	(310) 318-0632
O		Los Angeles County Fire Dept.	(310) 679-1131
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Joe Cordaro Marine Mammals	NOAA/Nat. Mar. Fish. Service	(562) 980-4017
T	Robert Read Marine Mammals	Calif. Dept. of Fish and Game Marine Region	(858) 467-4213

ADDITIONAL SITE SUMMARY COMMENTS:

5-160 -A/C Site Strategy - King Harbor Breakwater

5-160 -A/C

County: **Los Angeles Co.** Thomas Guide Location: **762 G4**
USGS Quad: **Redondo Beach** NOAA Chart: **18744**

ACP Division: **LA-E**

Latitude N Longitude W
Decimal Minutes: **33 51.0 118 24.0**
Decimal Degrees: **33.843597 -118.398797**

Last Page Update : **4/21/2005**

CONCERNS and ADVICE to RESPONDERS:

To protect endangered and sensitive species roosting habitat.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions. High energy wave action.

SITE STRATEGIES

Strategy 5-160.1 Objective: Open water containment and recovery to prevent oil from reaching the breakwater.

Use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-160.1			1500 Ocea		0		4	0		0				8	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Boat hoist available in King Harbor. From PCH in Redondo Beach, go west on Beryl St. until you reach the parking lot.

Boat hoist is adjacent to the Harbor Master's office.

LAND ACCESS: Access best by boat.

WATER LOGISTICS: Heavy small boat traffic.

Limitations: depth, obstruction

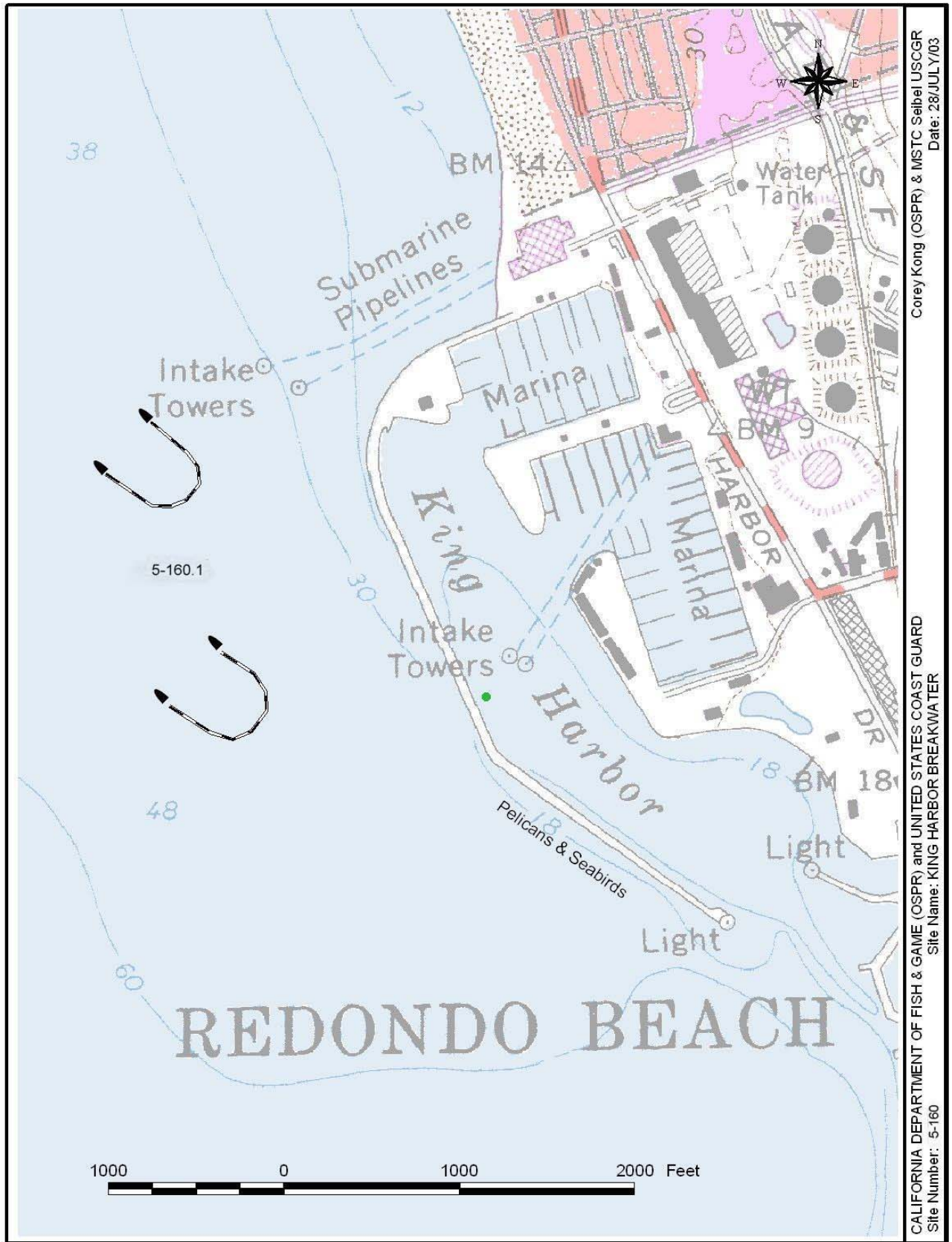
Launching, Loading, Docking Boat hoist for boats less than 30 ft and less than 10,000 lbs. All services available.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS: None.

ADDITIONAL OPERATIONAL COMMENTS:

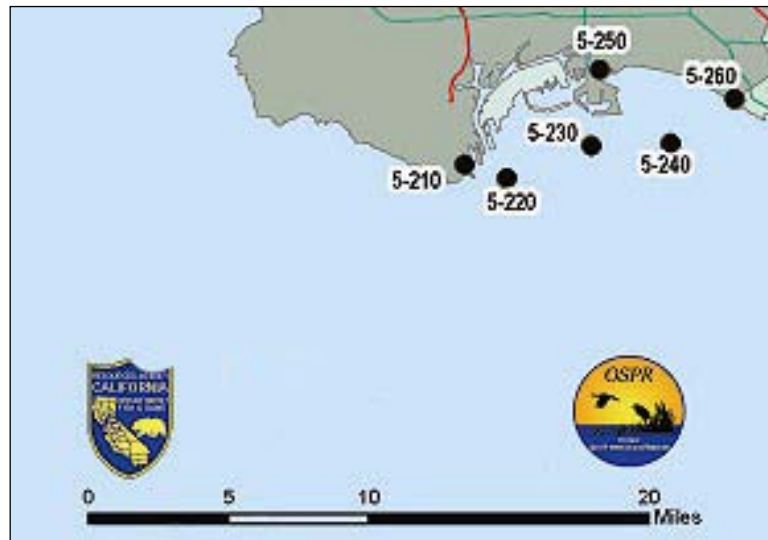
Consider safety of personnel attempting access to breakwater.



Harbor / Curtain Boom	Sorbent boom	SSS - Shoreside Skimming System
Swamp / River Boom	Berm, Dam, or Dike	SFS - Stationary Floating Skimmer
all other boom types	Filter fence	SPS - Self Propelled Skimmer
	Boom tow	TSA - Towed Skimming Array

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9841.1 Sensitive Site Summary and Strategy Sheets (cont.)



Index Map – Los Angeles/Long Beach Harbors Environmentally Sensitive Sites

Site #	Site Name	Page #
5-210-A	Cabrillo Beach Wetlands	9841.1 - 43
5-220-A/C	Los Angeles Harbor Breakwater	9841.1 - 47
5-230-A/C	Middle Breakwater	9841.1 - 51
5-240-A/C	Long Beach Harbor Breakwater	9841.1 - 55
5-250-A	Golden Shore Marine Reserve	9841.1 - 59
5-260-A	Alamitos Bay/Los Cerritos Wetlands	9841.1 - 63

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5-210 -A Site Summary- Carbrillo Beach Wetlands**5-210 -A**

County: **Los Angeles Co.** Thomas Guide Location: **854 C1** ACP Division: **LA-G** Latitude N Longitude W
USGS Quad: **San Pedro** NOAA Chart: **18749** Decimal Minutes: **33 42.0** **118 17.0**
Decimal Degrees: **33.714383 -118.284272**

Last Page Update : 3/11/2008

SITE DESCRIPTION:

Small wetland adjacent to Cabrillo Beach. Sheltered habitat within Los Angeles Harbor.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - All year. California Least Tern - April to September.

RESOURCES OF PRIMARY CONCERN

Mudflat-marsh ecosystem with resting and feeding waterfowl, seabirds, and shorebirds.

California Least Tern (Federal and State endangered species), California Brown Pelican (Federal and State endangered species), shorebirds, waterfowl, and seabirds.

Invertebrates.

Intertidal mudflat.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Los Angeles Port Police (24 hr)	(310) 732-3500
O		Los Angeles City Fire Dept. (24 hr)	(800) 688-8000
O		Los Angeles County Fire	(323) 881-6105
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
O		Cabrillo Marine Aquarium	(310) 548-7562
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052

ADDITIONAL SITE SUMMARY COMMENTS:

5-210 -A Site Strategy - Carbrillo Beach Wetlands**5-210 -A**

County: **Los Angeles Co.** Thomas Guide Location: **854 C1** ACP Division: **LA-G** Latitude N Longitude W
USGS Quad: **San Pedro** NOAA Chart: **18749** Decimal Minutes: **33 42.0** **118 17.0**
Decimal Degrees: **33.714383 -118.284272**

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect endangered and sensitive species and wetland habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the wetland through response activities.

HAZARDS and RESTRICTIONS:**SITE STRATEGIES**

Strategy 5-210.1 Objective: Exclusion of oil entry to wetland.

Boom (100') to prevent oil entry to inlet.

Strategy 5-210.2 Objective: Exclusion of oil entry to wetland.

Boom (600') boom may be placed to move oil to a collection point.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-210.1	100				0		0	0			0			2	
5-210.2	600				0		1	0			0			4	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Wetland and boat launch are adjacent to each other. From Pacific Ave. in San Pedro, go east on Stephen M. White Drive until you enter Cabrillo Beach. Go to the north end of the parking lot.

LAND ACCESS:

WATER LOGISTICS: Shallow water. Heavy small boat traffic.

Limitations: depth, obstruction

Launching, Loading, Docking All services available.

and Services Available:

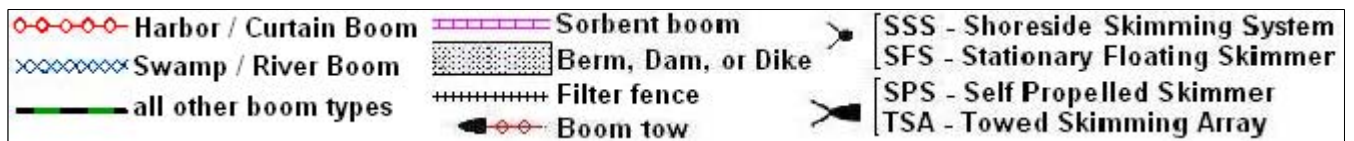
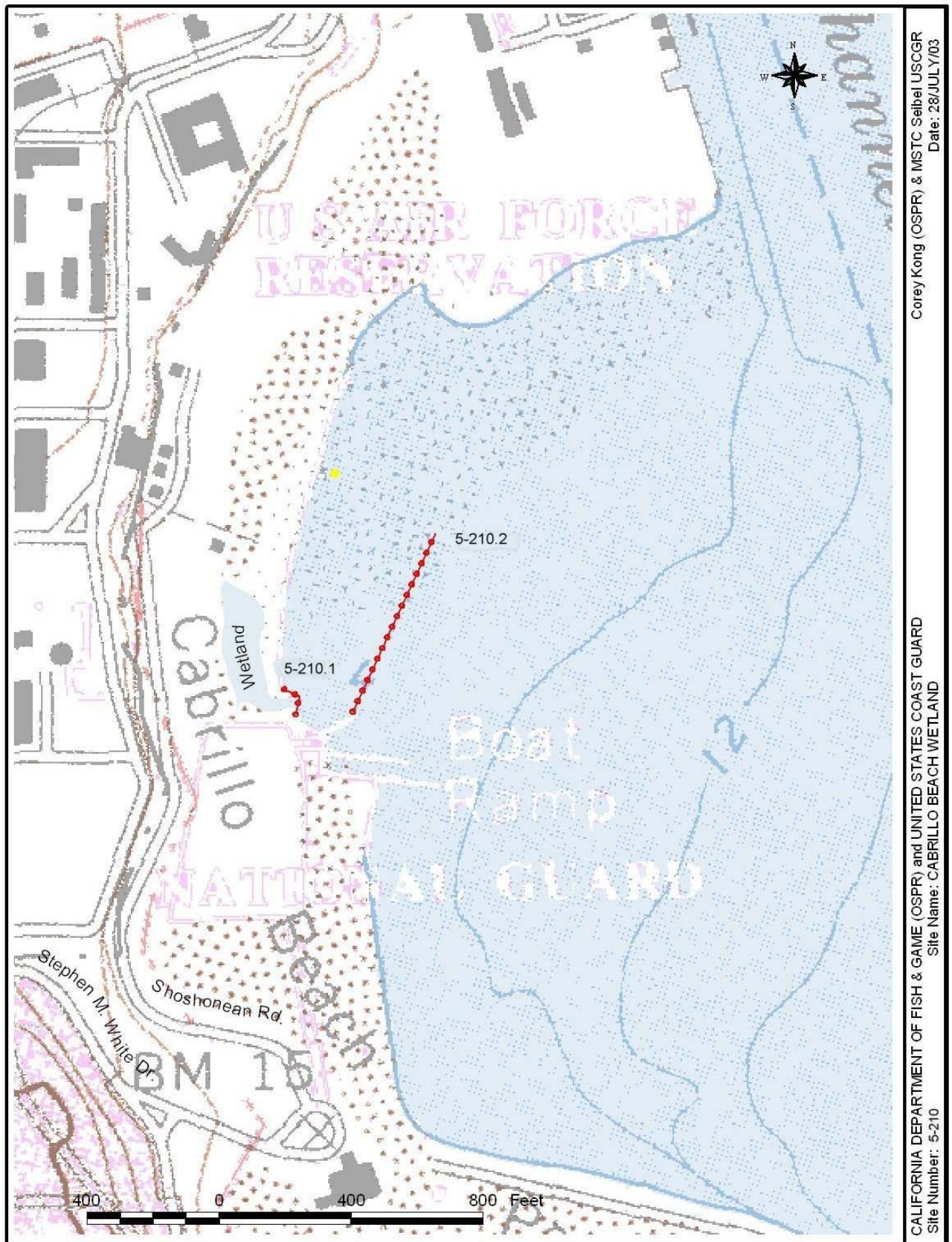
FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

A 100' section of boom is immediately available at the Cabrillo Marine Aquarium which can be deployed by museum personnel.

COMMUNICATIONS PROBLEMS: None.

ADDITIONAL OPERATIONAL COMMENTS:

There are several locations available along Stephen White Dr., Shishoean Rd., and Oliver Victor Circle that have access to the beach.



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5-220 -A/C Site Summary- Los Angeles Harbor Breakwater

5-220 -A/C

County: **Los Angeles Co.** Thomas Guide Location: 854 E3 ACP Division: LA-G Latitude N Longitude W
USGS Quad: **San Pedro** NOAA Chart: **18751** Decimal Minutes: 3 3 42 118 16
Decimal Degrees: 33.706228 -118.258047

Last Page Update : 3/11/2008

SITE DESCRIPTION:

This site consists of the entire breakwater marked as the Los Angeles Breakwater on the Los Angeles and Long Beach NOAA Nautical Chart # 18751. This rocky rip rap structure protects the inner portions of Los Angeles and Long Beach Harbor from waves and chop.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - Presence of listed species. Spiny Lobster fishery is October through March (contact the Dept. of Fish and Game for exact fishing season information).

RESOURCES OF PRIMARY CONCERN

Seabird roosting site. During the night, this is a major Brown Pelican roosting site.

California Brown Pelican (Federal and State endangered species).

California Sea Lion.

Spiny Lobster and finfish.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Los Angeles City Fire Dept. (24 hr)	(800) 688-8000
O		Los Angeles Port Police (24 hr)	(310) 732-3500
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Joe Cordaro Marine Mammals	NOAA/Nat. Mar. Fish. Service	(562) 980-4017
T	Robert Read Marine Mammals	Calif. Dept. of Fish and Game Marine Region	(858) 467-4213

ADDITIONAL SITE SUMMARY COMMENTS:

5-220 -A/C Site Strategy - Los Angeles Harbor Breakwater

5-220 -A/C

County: **Los Angeles Co.** Thomas Guide Location: 854 E3
USGS Quad: **San Pedro** NOAA Chart: **18751**

ACP Division: LA-G

Latitude N Longitude W
Decimal Minutes: 3 3 42 118 16
Decimal Degrees: 33.706228 -118.258047

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect endangered and sensitive species roosting habitat.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions. High energy wave action.

SITE STRATEGIES

Strategy 5-220.1 Objective: Open water containment and recovery to prevent oil from reaching the breakwater.

Use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-220.1		0	3750 Ocea	0	0		10	0	0	0				20	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Boat launch available at Cabrillo Beach. From Pacific Ave. in San Pedro, go east on Stephen M. White Drive until you enter Cabrillo Beach. Go to the north end of the parking lot.

LAND ACCESS: Access best by boat.

WATER LOGISTICS: Heavy boat traffic (all sizes of vessels).

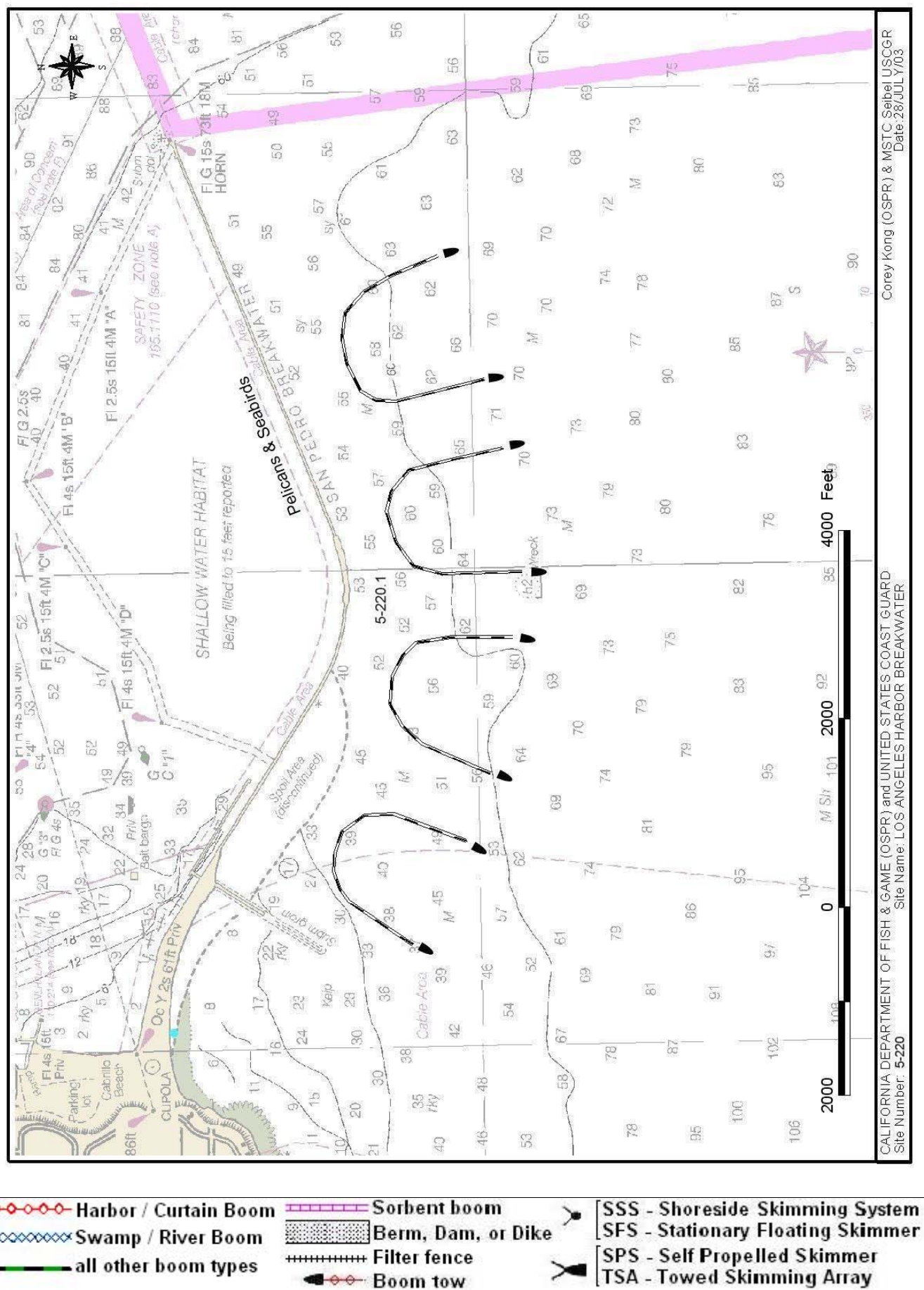
Limitations: depth, obstruction

Launching, Loading, Docking All services available.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS: None.

ADDITIONAL OPERATIONAL COMMENTS:



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5-230 -A/C Site Summary- Middle Breakwater**5-230 -A/C**

County: **Los Angeles Co.** Thomas Guide Location: 854 J1 ACP Division: LA-G Latitude N Longitude W
USGS Quad: **Long Beach** NOAA Chart: **18751** Decimal Minutes: 33 42.01 118 14.01
Decimal Degrees: 33.722956 -118.205711

Last Page Update : 3/11/2008

SITE DESCRIPTION:

This site consists of the entire breakwater marked as the Middle Breakwater on the Los Angeles and Long Beach NOAA Nautical Chart # 18751. This rocky rip rap structure protects the inner portions of Los Angeles and Long Beach Harbor from waves and chop.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - Presence of listed species. Spiny Lobster fishery is October through March (contact the Dept. of Fish and Game for exact fishing season information).

RESOURCES OF PRIMARY CONCERN

Seabird roosting site. During the night, this is a major Brown Pelican roosting site.

California Brown Pelican (Federal and State endangered species), terns, gulls, and migratory birds.

California Sea Lion.

Spiny Lobster and finfish.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		NRG Power - Long Beach	(562) 506-2536
O		Port of Long Beach Police (24 hr)	(562) 590-4185
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Joe Cordaro Marine Mammals	NOAA/Nat. Mar. Fish. Service	(562) 980-4017
T	Robert Read Marine Mammals	Calif. Dept. of Fish and Game Marine Region	(858) 467-4213

ADDITIONAL SITE SUMMARY COMMENTS:

5-230 -A/C Site Strategy - Middle Breakwater

5-230 -A/C

County: **Los Angeles Co.** Thomas Guide Location: 854 J1
USGS Quad: **Long Beach** NOAA Chart: **18751**

ACP Division: LA-G

Latitude N Longitude W
Decimal Minutes: 33 42.01 118 14.01
Decimal Degrees: 33.722956 -118.205711

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect endangered and sensitive species roosting habitat.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions. High energy wave action.

SITE STRATEGIES

Strategy 5-230.1 Objective: Open water containment and recovery to prevent oil from reaching the breakwater.

Use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-230.1		0	3750 Ocea	0	0		10	0	0	0				20	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Boat launch available at Cabrillo Beach. From Pacific Ave. in San Pedro, go east on Stephen M. White Drive until you enter Cabrillo Beach. Go to the north end of the parking lot.

LAND ACCESS: Access by boat only.

WATER LOGISTICS: Heavy boat traffic (all sizes of vessels).

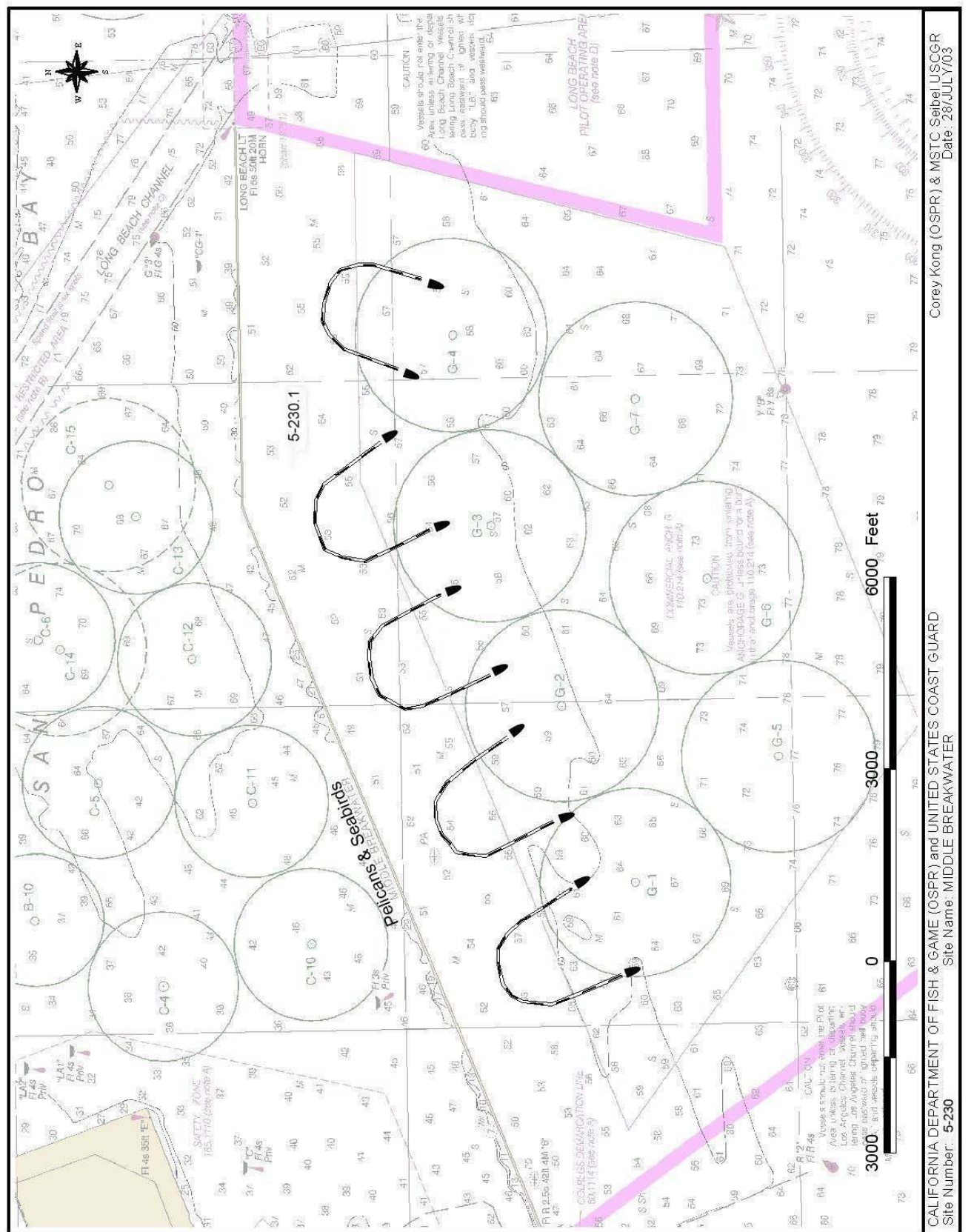
Limitations: depth, obstruction

Launching, Loading, Docking All services available.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS: None.

ADDITIONAL OPERATIONAL COMMENTS:



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5-240 -A/C Site Summary- Long Beach Harbor Breakwater

5-240 -A/C

County: **Los Angeles Co.** Thomas Guide Location: 825 H7 ACP Division: LA-H Latitude N Longitude W
USGS Quad: **Long Beach** NOAA Chart: **18751** Decimal Minutes: 33 43.00 118 10.01
Decimal Degrees: 33.723153 -118.156408

Last Page Update : 3/11/2008

SITE DESCRIPTION:

This site consists of the entire breakwater marked as the Long Beach Breakwater on the Los Angeles and Long Beach NOAA Nautical Chart # 18751. This rocky rip rap structure protects the inner portions of Los Angeles and Long Beach Harbor from waves and chop.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - Presence of listed species. Spiny Lobster fishery is October through March (contact the Dept. of Fish and Game for exact fishing season information).

RESOURCES OF PRIMARY CONCERN

Seabird roosting site. During the night, this is a major Brown Pelican roosting site.

California Brown Pelican (Federal and State endangered species), terns, gulls, and migratory birds.

California Sea Lion.

Spiny Lobster and finfish.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		NRG Power - Long Beach	(562) 506-2536
O		Port of Long Beach Police (24 hr)	(562) 590-4185
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Joe Cordaro Marine Mammals	NOAA/Nat. Mar. Fish. Service	(562) 980-4017
T	Robert Read Marine Mammals	Calif. Dept. of Fish and Game Marine Region	(858) 467-4213

ADDITIONAL SITE SUMMARY COMMENTS:

5-240 -A/C Site Strategy - Long Beach Harbor Breakwater

5-240 -A/C

County: **Los Angeles Co.** Thomas Guide Location: 825 H7
USGS Quad: **Long Beach** NOAA Chart: **18751**

ACP Division: LA-H

Latitude N Longitude W
Decimal Minutes: 33 43.00 118 10.01
Decimal Degrees: 33.723153 -118.156408

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect endangered and sensitive species roosting habitat.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions. High energy wave action.

SITE STRATEGIES

Strategy 5-240.1 Objective: Open water containment and recovery to prevent oil from reaching the breakwater.

Use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-240.1		0	3750 Ocea	0	0		10	0	0	0				20	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Boat launching at 590 Queensway Drive. From Ocean Blvd. in Long Beach, go south on Queensway Bay and then west on Queensway Dr.

LAND ACCESS: Access by boat only.

WATER LOGISTICS: Heavy boat traffic (all sizes of vessels).

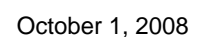
Limitations: depth, obstruction

Launching, Loading, Docking All services available.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS: None.

ADDITIONAL OPERATIONAL COMMENTS:



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5-250 -A Site Summary- Golden Shore Marine Reserve**5-250 -A**

County: **Los Angeles Co.** Thomas Guide Location: **825 C1** ACP Division: **LA-H** Latitude N Longitude W
USGS Quad: **Long Beach** NOAA Chart: **18749** Decimal Minutes: **33 45.01** **118 12.00**
Decimal Degrees: **33.761956 -118.198947**

Last Page Update : 3/11/2008

SITE DESCRIPTION:

This tidal saltmarsh was constructed as mitigation for impacts from the Queensway Bay project. The area is primarily a mud flat during low tides with fringing vegetation. During the highest tides, a major portion of the wetland is flooded.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - All year.

RESOURCES OF PRIMARY CONCERN

Coastal lagoon and wetlands complex with resting and feeding seabirds, shorebirds, and waterfowl.

California Brown Pelican (Federal and State endangered species), California Least Tern (Federal and State endangered species), Belding's Savannah Sparrow (State endangered species), waterfowl, and shorebirds.

Juvenile California Halibut and other finfish species.

Intertidal mudflat.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		Long Beach Fire Dept. (24 hr)	(562) 570-9400
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052

ADDITIONAL SITE SUMMARY COMMENTS:

5-250 -A Site Strategy - Golden Shore Marine Reserve**5-250 -A**

County: **Los Angeles Co.** Thomas Guide Location: **825 C1** ACP Division: **LA-H** Latitude N Longitude W
USGS Quad: **Long Beach** NOAA Chart: **18749** Decimal Minutes: **33 45.01** **118 12.00**
Decimal Degrees: **33.761956 -118.198947**

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect endangered and sensitive species and wetland habitat. Responders should watch for and avoid nesting birds and minimize disturbances to vegetation. Avoid the spread of oil into the wetland through response activities.

HAZARDS and RESTRICTIONS:**SITE STRATEGIES**

Strategy 5-250.1 Objective: Exclusion of oil entry to wetland.

Boom to prevent oil entry to inlet. Support with sorbent boom inside harbor boom.

Strategy 5-250.2 Objective: Exclusion of oil entry to wetland.

Cross channel deflection boom to boat ramp on north side of channel.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-250.1	200	0	0	200	0		0	0	0		0			2	
5-250.2	2000	0	0	0	4	Danforth 40 lb	1	0	0		0			4	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

To site: from Ocean Blvd. in Long Beach, go south on Golden Shore to the parking lot adjacent to wetland. To boat launch: from Ocean Blvd., go south on Queensway Bay and then west to 590 Queensway Dr.

LAND ACCESS:

WATER LOGISTICS: Shallow water and strong currents.

Limitations: depth, obstruction

Launching, Loading, Docking All services available.

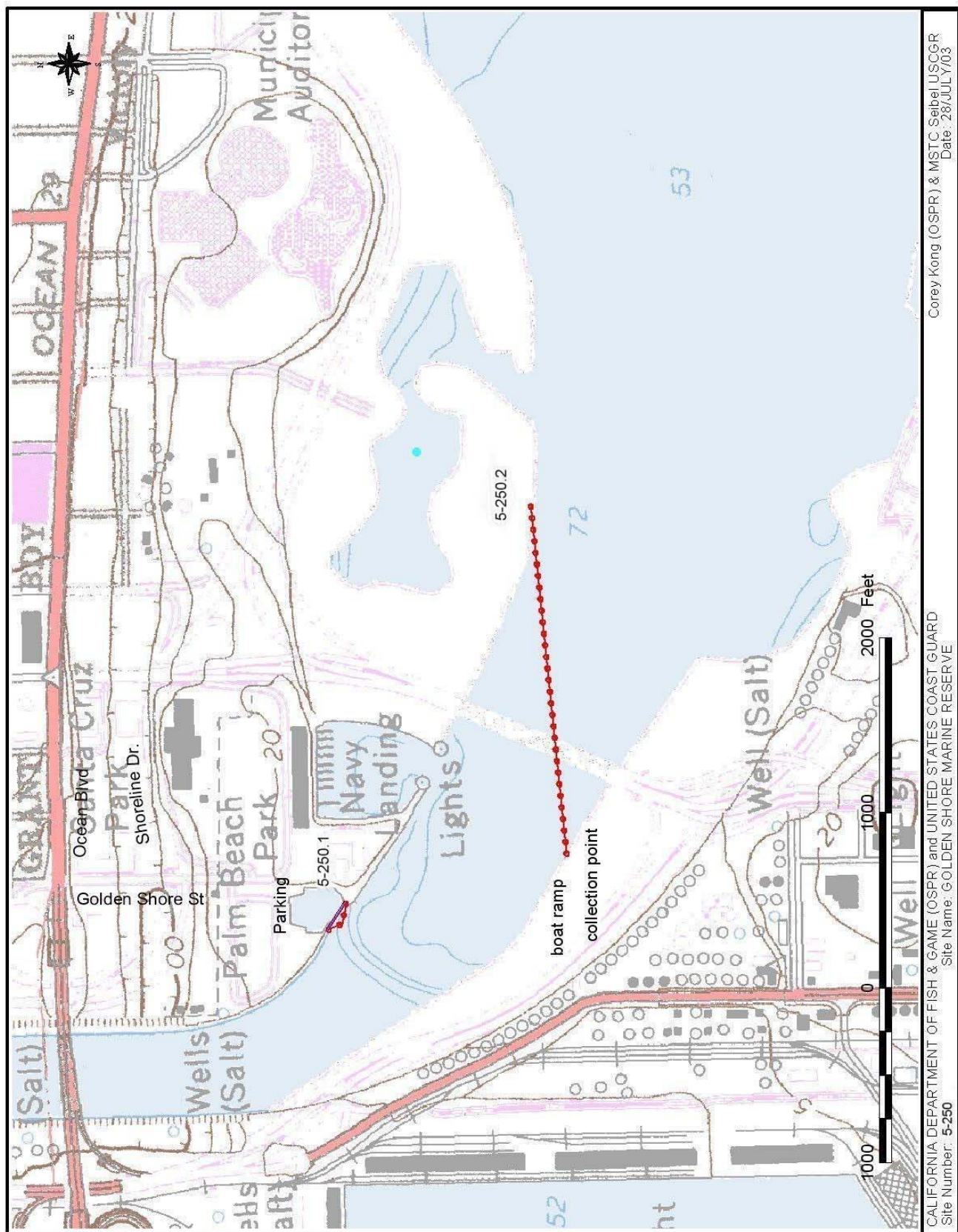
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS: None.

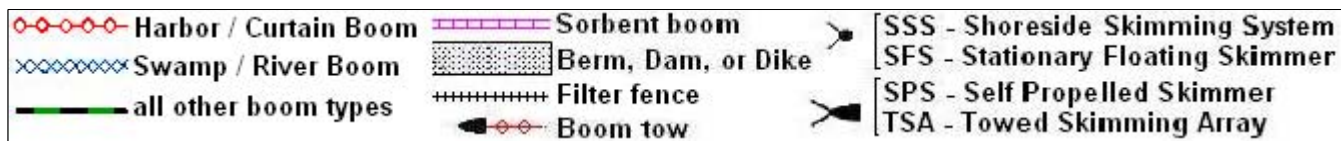
ADDITIONAL OPERATIONAL COMMENTS:

The site has a permanent exclusion boom at the opening to the wetland.



Corey Kong (OSPR) & MSTC Seibel USCGR
Date: 28/JULY/03

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
Site Name: GOLDEN SHORE MARINE RESERVE
Site Number: 5-250



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5-260 -A Site Summary- Alamitos Bay/Los Cerritos Wetlands**5-260 -A**

County: **Los Angeles Co.** Thomas Guide Location: **826 D4** ACP Division: **LA-H** Latitude N Longitude W
USGS Quad: **Seal Beach** NOAA Chart: **18749** Decimal Minutes: **33 44.1** **118 06.1**
Decimal Degrees: **33.744990 -118.115740**

Last Page Update : 3/11/2008

SITE DESCRIPTION:

Developed coastal embayment. Many marinas/boat slips but still contains a large area of sand and mud shoreline, particularly inside seawall and deep in back bay.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - All year.

RESOURCES OF PRIMARY CONCERN

Coastal lagoon and wetlands complex.

California Brown Pelican (Federal and State endangered species) shorebirds, seabirds, and waterfowl.

Juvenile California Halibut and other finfish species. Green Sea Turtle.

Intertidal mudflat.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
O		LA Dept. of Water & Power (24 hr)	(562) 431-2578
O		AES Power - Long Beach	(562) 493-7803
O		Long Beach Fire Dept. (24 hr)	(562) 570-9400
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
O		Long Beach Lifeguards (8 am - 6 pm)	(562) 570-1360
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052

ADDITIONAL SITE SUMMARY COMMENTS:

5-260 -A Site Strategy - Alamitos Bay/Los Cerritos Wetlands**5-260 -A**

County: **Los Angeles Co.** Thomas Guide Location: **826 D4**
USGS Quad: **Seal Beach** NOAA Chart: **18749**

ACP Division: **LA-H**

Latitude N Longitude W
Decimal Minutes: **33 44.1 118 06.1**
Decimal Degrees: **33.744990 -118.115740**

Last Page Update :	4/21/2005
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CONCERNS and ADVICE to RESPONDERS:

To protect endangered and sensitive species and wetland habitat.

HAZARDS and RESTRICTIONS:**SITE STRATEGIES**Strategy 5-260.1 Objective: Exclusion of oil entry to Alamitos Bay.

Boom to prevent oil entry to bay. Harbor boom (800') stored at Alamitos Bay Yacht Club. Anchor points on both sides of channel.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-260.1	800	0	0	0	0		1	0		0				2	

LOGISTICS**DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)**

Boat launch available at Alamitos Bay. From PCH in Long Beach, go west on Second St. Boat launch is at 6201 E. Second St.

LAND ACCESS: Parking lot at 72nd Pl. and Ocean Blvd.**WATER LOGISTICS:** Strong currents. Heavy small boat traffic.

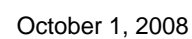
Limitations: depth, obstruction

Launching, Loading, Docking All services available.
and Services Available:**FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:**

Pre-staged booms available adjacent to the Alamitos Bay Yacht Club at Ocean Blvd. and 72nd Place. There is parking and staging at public parking lot.

COMMUNICATIONS PROBLEMS: None.**ADDITIONAL OPERATIONAL COMMENTS:**

800 feet of 20" boom is pre-staged in storage containers located at the Alamitos Bay Yacht Club to be used to close off the channel. The boom can be deployed by Long Beach Lifeguards. There are several locations along Marina Dr. and Ocean Blvd. that have access to the beach.



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9841.1 Sensitive Site Summary and Strategy Sheets (cont.)



Index Map – Los Angeles – Islands Environmentally Sensitive Sites

Site #	Site Name	Page #
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5-420-A/B	Catalina Island Harbor – Catalina Island	9841.1 - 73
5-430-A	Ship Rock – Catalina Island	9841.1 - 77
5-440-A	Bird Rock – Catalina Island	9841.1 - 81
5-450-A/B	China Point – Catalina Island	9841.1 - 85
5-460-A/B	Salta Verde Point – Catalina Island	9841.1 - 89
5-470-A/B	Seal Rocks – Catalina Island	9841.1 - 93
5-510-A	San Nicolas Island	9841.1 - 97
5-550-A	Santa Barbara Island	9841.1 - 101

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5-410 -A/B Site Summary- Arrow Point - Catalina Island**5-410 -A/B**

County: **Los Angeles Co.** Thomas Guide Location: ACP Division: Latitude N Longitude W
USGS Quad: **Santa Catalina W** NOAA Chart: **18757** Decimal Minutes: 33 28.6 118 32.3
Decimal Degrees: 33.477200 -118.537400

Last Page Update : 3/11/2008

SITE DESCRIPTION:

Small harbor on back-side of Catalina Island, with a wetland west of Arrow Point. Contains area of extensive Harbor Seal haul-out and pupping. Inner portion has a small marshland adjacent.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - Feb. to June. Rank B - Rest of year.

RESOURCES OF PRIMARY CONCERN

Harbor Seal pupping beaches.

California Brown Pelican (Federal and State endangered species) and Bald Eagle (Federal and State endangered species).

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
O		Catalina Island Conservancy	(310) 510-1421
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Joe Cordaro Marine Mammals	NOAA/Nat. Mar. Fish. Service	(562) 980-4017
T	Robert Read Marine Mammals	Calif. Dept. of Fish and Game Marine Region	(858) 467-4213

ADDITIONAL SITE SUMMARY COMMENTS:

5-410 -A/B Site Strategy - Arrow Point - Catalina Island

5-410 -A/B

County: **Los Angeles Co.** Thomas Guide Location:
USGS Quad: **Santa Catalina W** NOAA Chart: **18757**

ACP Division:

Latitude N Longitude W
Decimal Minutes: 33 28.6 118 32.3
Decimal Degrees: 33.477200 -118.537400

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect sensitive species breeding and foraging habitat.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions.

SITE STRATEGIES

Strategy 5-410.1 Objective: Open water containment and recovery to prevent oil from reaching the shoreline.

Under suitable sea conditions, use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-410.1			2250 Ocea		0		6	0		0				12	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access best by boat.

LAND ACCESS: Access best by boat.

WATER LOGISTICS:

Limitations: depth, obstruction

Launching, Loading, Docking Limited services available at Avalon, Two Harbors, and Catalina Harbor.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

Small aircraft can fly to Catalina Island.



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5-420 -A/B Site Summary- Catalina Island Harbor - Catalina Island**5-420 -A/B**

County: **Los Angeles Co.** Thomas Guide Location: ACP Division: Decimal Minutes: 33 25.1 Longitude W: 118 30.1
USGS Quad: **Santa Catalina W** NOAA Chart: **18757** Decimal Degrees: 33.430300 -118.506300

Last Page Update : 3/11/2008

SITE DESCRIPTION:

Small harbor on seaward side of Catalina Island. Contains areas of extensive Harbor Seal haul-out and pupping. Inner portion has a small marshland adjacent.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - Feb. to June. Rank B - Rest of year.

RESOURCES OF PRIMARY CONCERN

Harbor Seal haul-out and pupping area.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
O		Catalina Island Conservancy	(310) 510-1421
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Joe Cordaro Marine Mammals	NOAA/Nat. Mar. Fish. Service	(562) 980-4017
T	Robert Read Marine Mammals	Calif. Dept. of Fish and Game Marine Region	(858) 467-4213

ADDITIONAL SITE SUMMARY COMMENTS:

5-420 -A/B Site Strategy - Catalina Island Harbor - Catalina Island**5-420 -A/B**

County: **Los Angeles Co.** Thomas Guide Location: ACP Division: Latitude N Longitude W
USGS Quad: **Santa Catalina W** NOAA Chart: **18757** Decimal Minutes: 33 25.1 118 30.1
Decimal Degrees: 33.430300 -118.506300

Last Page Update :	4/21/2005
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CONCERNS and ADVICE to RESPONDERS:

To protect sensitive species breeding and foraging habitat.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions.

SITE STRATEGIES

Strategy 5-420.1 Objective: Open water recovery to prevent oil from reaching shoreline.

Under suitable sea conditions, use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

Strategy 5-420.2 Objective: The primary objective is to deflect oil to a collection point to minimize shoreline clean-up and more ecological damage.

Use deflection boom in a cascade pattern to move oil into a collection point for a skimmer.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-420.1			1500 Ocea		0		4	0			0			12	
5-420.2	4000				0		4	0			0			8	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access by boat and land.

LAND ACCESS: Access best by boat.

WATER LOGISTICS:

Limitations: depth, obstruction

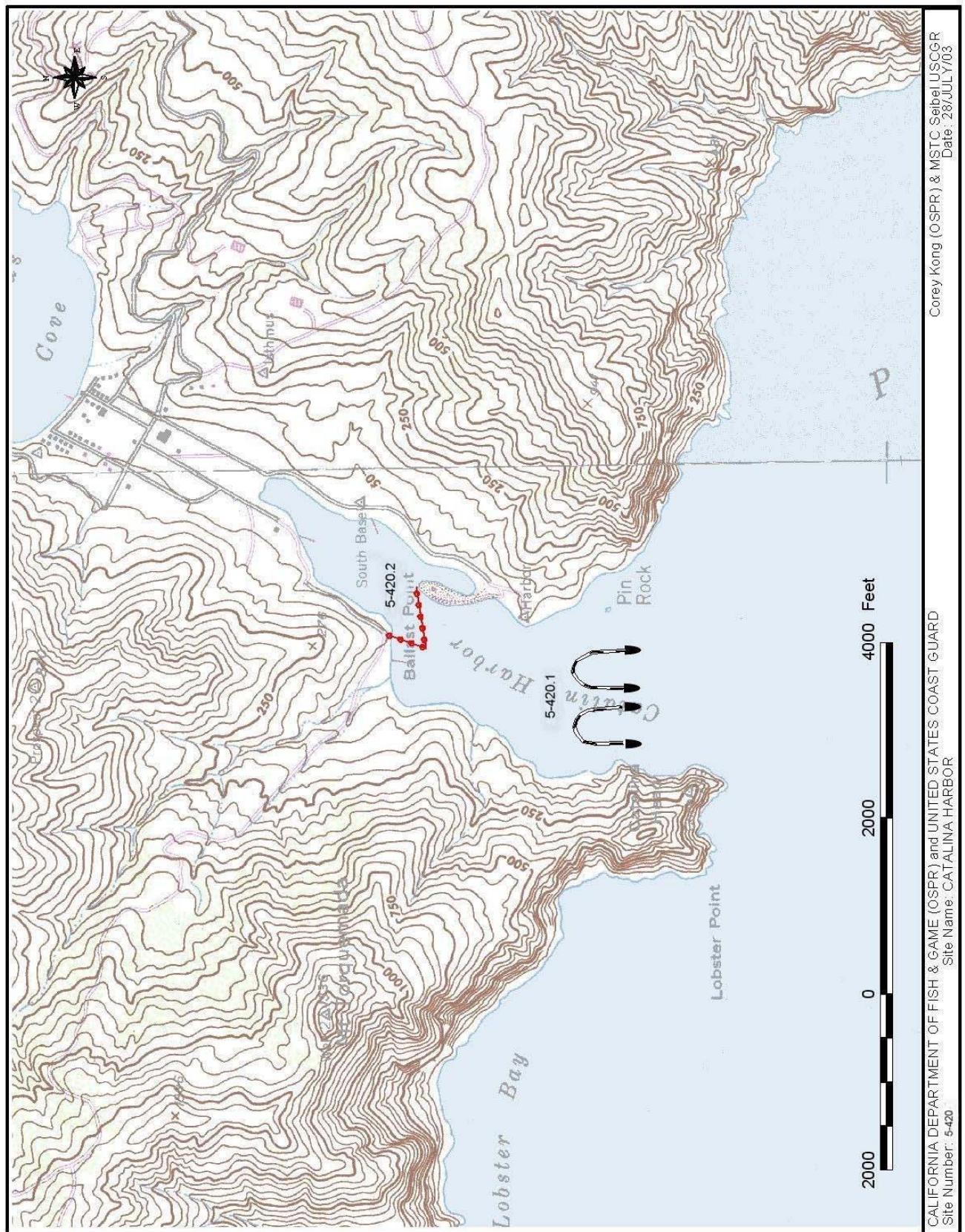
Launching, Loading, Docking Limited services available at Avalon, Two Harbors, and Catalina Harbor.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

Small aircraft can fly to Catalina Island.



Corey Kong (OSPR) & MSTC Seibel USCGR
Date: 28/JULY/03

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
Site Name: CATALINA HARBOR
Site Number: 5-420

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5-430 -A Site Summary- Ship Rock - Catalina Island**5-430 -A**

County: **Los Angeles Co.** Thomas Guide Location:
USGS Quad: **Santa Catalina N** NOAA Chart: **18757**

ACP Division:

Latitude N Longitude W
Decimal Minutes: 33 27.2 118 29.1
Decimal Degrees: 33.463100 -118.490700

Last Page Update : 3/11/2008

SITE DESCRIPTION:

Large offshore rock that is sail shaped and quite steep.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - All year.

RESOURCES OF PRIMARY CONCERN

Seabird roosting site.

California Brown Pelican (Federal and State endangered species) and Cormorants.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
O		Catalina Island Conservancy	(310) 510-1421
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052

ADDITIONAL SITE SUMMARY COMMENTS:

5-430 -A Site Strategy - Ship Rock - Catalina Island

5-430 -A

County: **Los Angeles Co.** Thomas Guide Location:
USGS Quad: **Santa Catalina N** NOAA Chart: **18757**

ACP Division:

Latitude N Longitude W
Decimal Minutes: 33 27.2 118 29.1
Decimal Degrees: 33.463100 -118.490700

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect endangered species nesting and foraging habitat.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions. High energy wave action.

SITE STRATEGIES

Strategy 5-430.1 Objective: Open water recovery to prevent oil from reaching shoreline.

Under suitable sea conditions, use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-430.1			1500 Ocea		0		4	0		0				8	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access by boat only.

LAND ACCESS: Access by boat only.

WATER LOGISTICS:

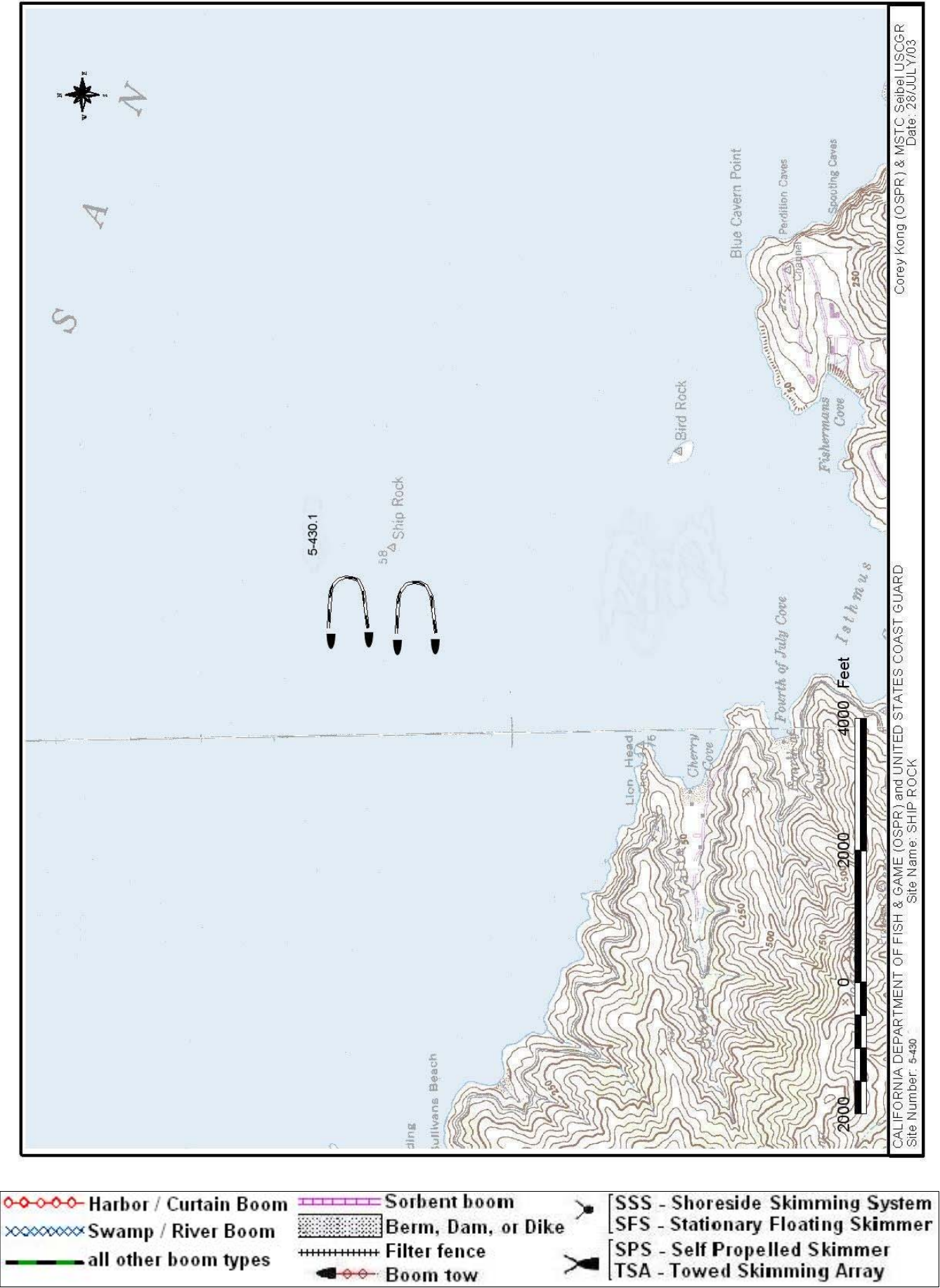
Limitations: depth, obstruction

Launching, Loading, Docking Limited services available at Avalon, Two Harbors, and Catalina Harbor.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:



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5-440 -A Site Summary- Bird Rock - Catalina Island**5-440 -A**

County: **Los Angeles Co.** Thomas Guide Location:
USGS Quad: **Santa Catalina N** NOAA Chart: **18757**

ACP Division:

Latitude N Longitude W
Decimal Minutes: 33 27.2 118 29.1
Decimal Degrees: 33.451000 -118.486200

Last Page Update : 3/11/2008

SITE DESCRIPTION:

Large dome shaped offshore rock.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - All year for roosting. Spring - nesting.

RESOURCES OF PRIMARY CONCERN

Seabird roosting site.

California Brown Pelican (Federal and State endangered species) and Cormorants.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
O		Catalina Island Conservancy	(310) 510-1421
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052

ADDITIONAL SITE SUMMARY COMMENTS:

5-440 -A Site Strategy - Bird Rock - Catalina Island

5-440 -A

County: **Los Angeles Co.** Thomas Guide Location:
USGS Quad: **Santa Catalina N** NOAA Chart: **18757**

ACP Division:

Latitude N Longitude W
Decimal Minutes: 33 27.2 118 29.1
Decimal Degrees: 33.451000 -118.486200

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect endangered species nesting and foraging habitat.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions. High energy wave action.

SITE STRATEGIES

Strategy 5-440.1 Objective: Open water recovery to prevent oil from reaching shoreline.

Under suitable sea conditions, use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-440.1			1500 Ocea		0		4	0		0				8	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access by boat only.

LAND ACCESS: Access by boat only.

WATER LOGISTICS:

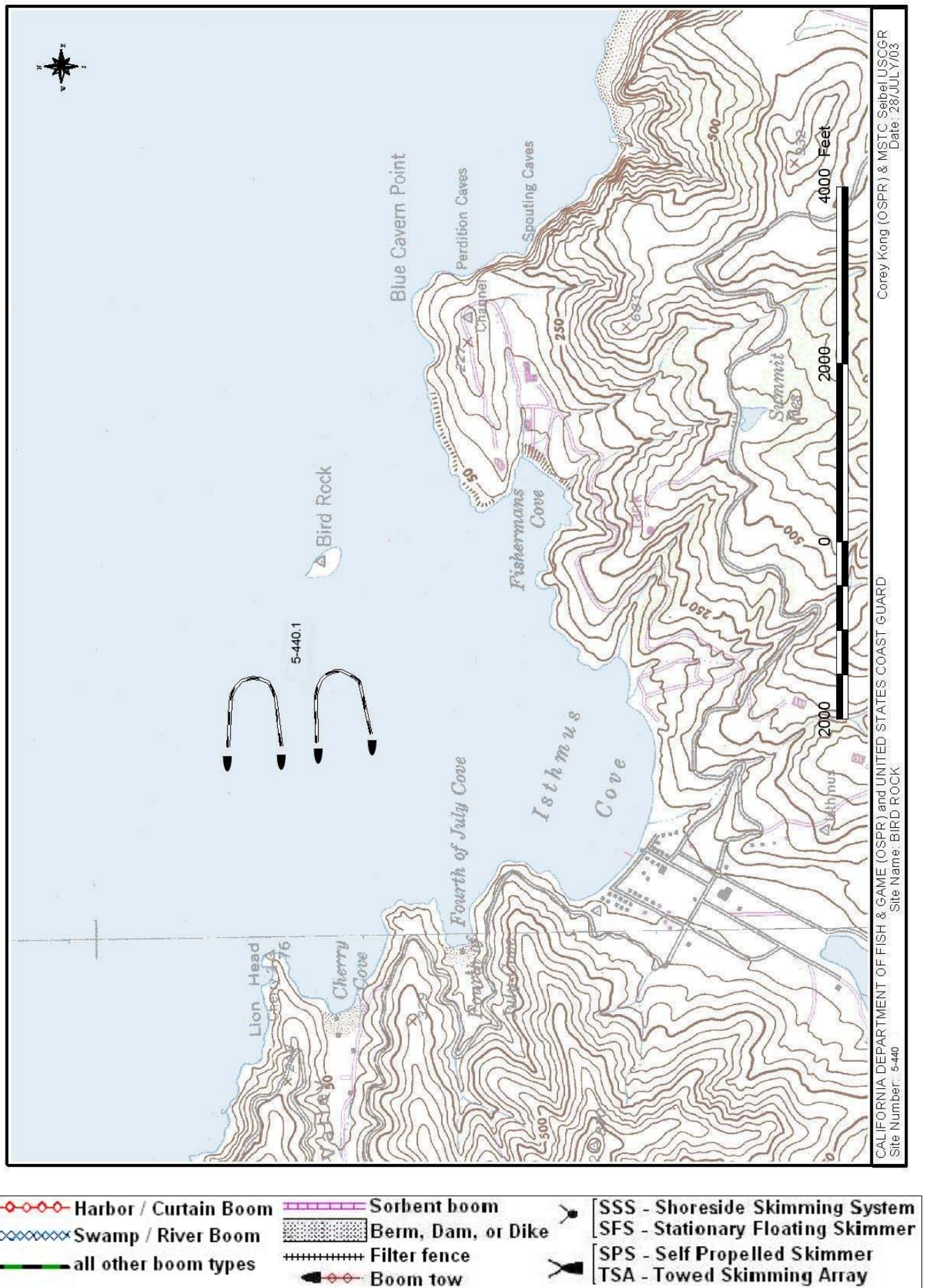
Limitations: depth, obstruction

Launching, Loading, Docking Limited services available at Avalon, Two Harbors, and Catalina Harbor.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:



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5-450 -A/B Site Summary- China Point - Catalina Island**5-450 -A/B**

County: **Los Angeles Co.** Thomas Guide Location: ACP Division: Decimal Minutes: 33 19.2 Longitude W: 118 27.2
USGS Quad: **Santa Catalina S** NOAA Chart: **18757** Decimal Degrees: 33.328800 -118.466600

Last Page Update : 3/11/2008

SITE DESCRIPTION:

Rocky beach with shallow haul-out area for Harbor Seals and California Sea Lions and Harbor Seal pupping.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - Feb. to June. Rank B - Rest of year.

RESOURCES OF PRIMARY CONCERN

Harbor Seal and California Sea Lion haul-out. Harbor Seal pupping beach.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
O		Catalina Island Conservancy	(310) 510-1421
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Joe Cordaro Marine Mammals	NOAA/Nat. Mar. Fish. Service	(562) 980-4017
T	Robert Read Marine Mammals	Calif. Dept. of Fish and Game Marine Region	(858) 467-4213

ADDITIONAL SITE SUMMARY COMMENTS:

5-450 -A/B Site Strategy - China Point - Catalina Island

5-450 -A/B

County: **Los Angeles Co.** Thomas Guide Location:
USGS Quad: **Santa Catalina S** NOAA Chart: **18757**

ACP Division:

Latitude N Longitude W
Decimal Minutes: 33 19.2 118 27.2
Decimal Degrees: 33.328800 -118.466600

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect sensitive species breeding and foraging habitat.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions.

SITE STRATEGIES

Strategy 5-450.1 Objective: Open water recovery to prevent oil from reaching shoreline.

Under suitable sea conditions, use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-450.1			3000 Ocea		0		8	0		0				16	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access best by boat.

LAND ACCESS: Access best by boat.

WATER LOGISTICS:

Limitations: depth, obstruction

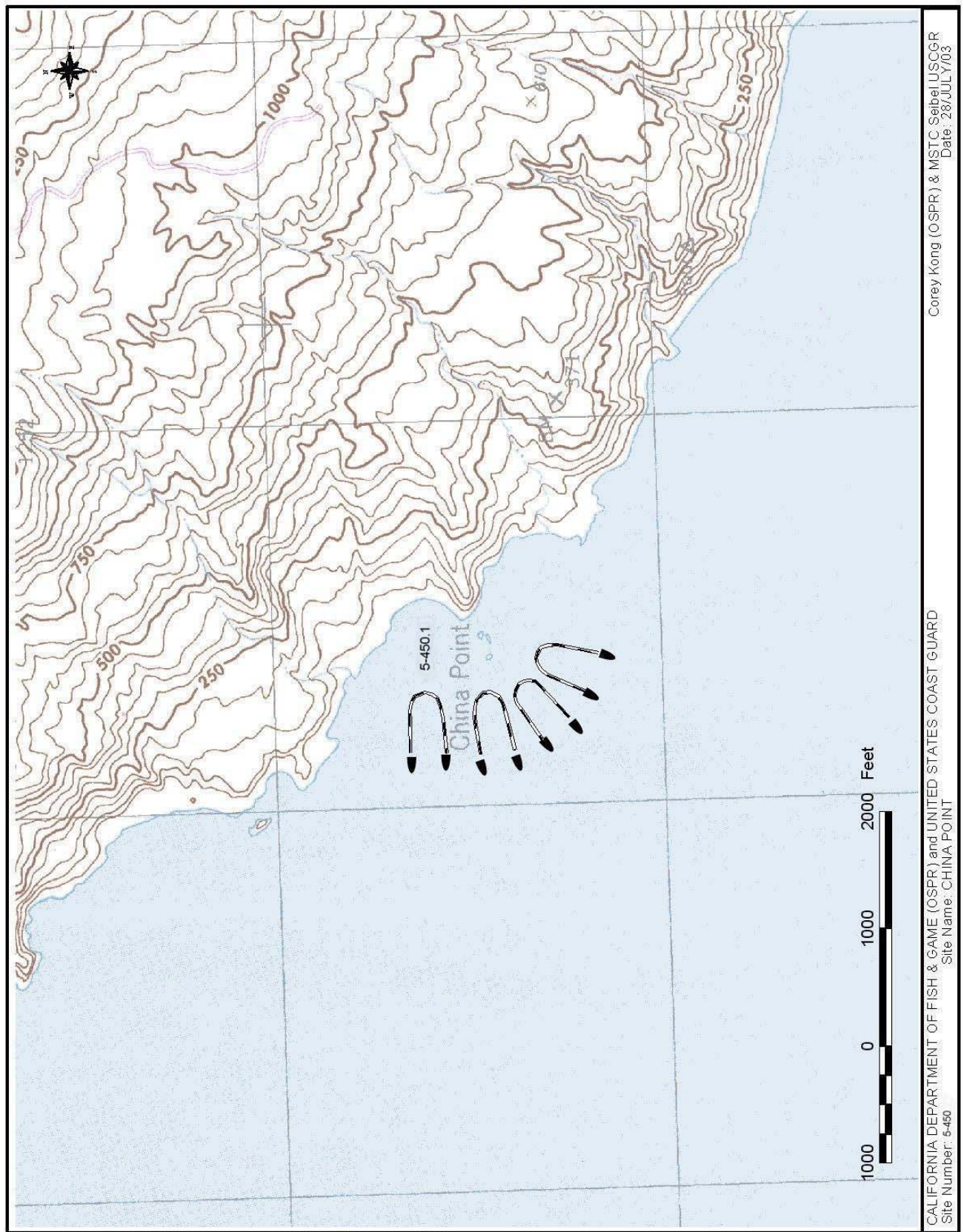
Launching, Loading, Docking Limited services available at Avalon, Two Harbors, and Catalina Harbor.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

Small aircraft can fly to Catalina Island.



	Harbor / Curtain Boom		Sorbent boom		SSS - Shoreside Skimming System
	Swamp / River Boom		Berm, Dam, or Dike		SFS - Stationary Floating Skimmer
	all other boom types		Filter fence		SPS - Self Propelled Skimmer
			Boom tow		TSA - Towed Skimming Array

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5-460 -A/B Site Summary- Salta Verde Point - Catalina Island**5-460 -A/B**

County: **Los Angeles Co.** Thomas Guide Location: ACP Division: Latitude N Longitude W
USGS Quad: **Santa Catalina S** NOAA Chart: **18757** Decimal Minutes: 33 18.1 118 25.1
Decimal Degrees: 33.317300 -118.422500

Last Page Update :	3/11/2008
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SITE DESCRIPTION:

Rocky and sandy beach with an extensive haul-out area for Harbor Seal pupping.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - Feb. to June. Rank B - Rest of year.

RESOURCES OF PRIMARY CONCERN

Harbor Seal pupping beach.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
O		Catalina Island Conservancy	(310) 510-1421
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Joe Cordaro Marine Mammals	NOAA/Nat. Mar. Fish. Service	(562) 980-4017
T	Robert Read Marine Mammals	Calif. Dept. of Fish and Game Marine Region	(858) 467-4213

ADDITIONAL SITE SUMMARY COMMENTS:

5-460 -A/B Site Strategy - Salta Verde Point - Catalina Island

5-460 -A/B

County: **Los Angeles Co.** Thomas Guide Location: ACP Division: Latitude N Longitude W
USGS Quad: **Santa Catalina S** NOAA Chart: **18757** Decimal Minutes: 33 18.1 118 25.1
Decimal Degrees: 33.317300 -118.422500
Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect sensitive species breeding and foraging habitat.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions.

SITE STRATEGIES

Strategy 5-460.1 Objective: Open water recovery to prevent oil from reaching shoreline.

Under suitable sea conditions, use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-460.1			3750 Ocea		0		10	0		0				20	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access best by boat.

LAND ACCESS: Access best by boat.

WATER LOGISTICS:

Limitations: depth, obstruction

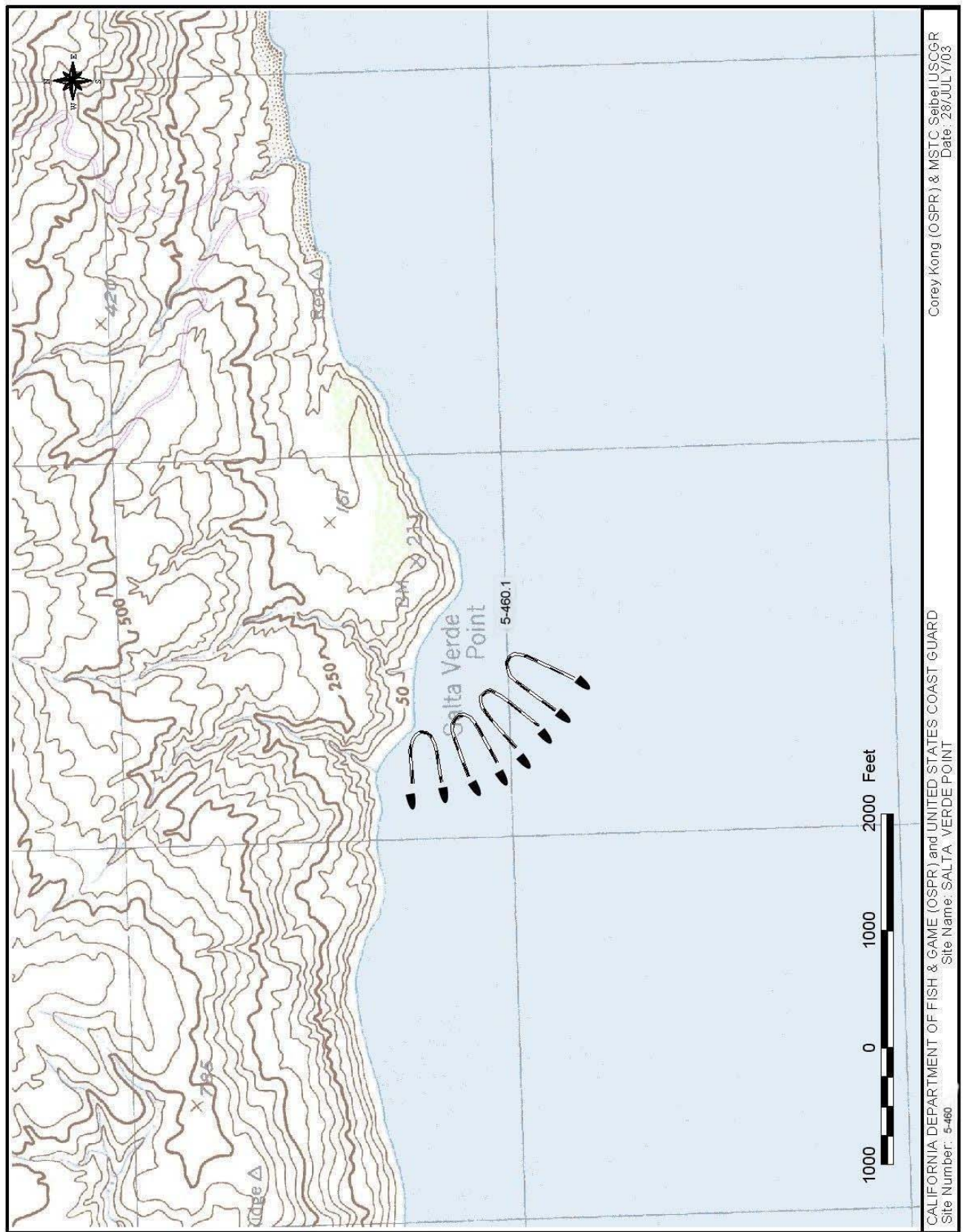
Launching, Loading, Docking Limited services available at Avalon, Two Harbors, and Catalina Harbor.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS:

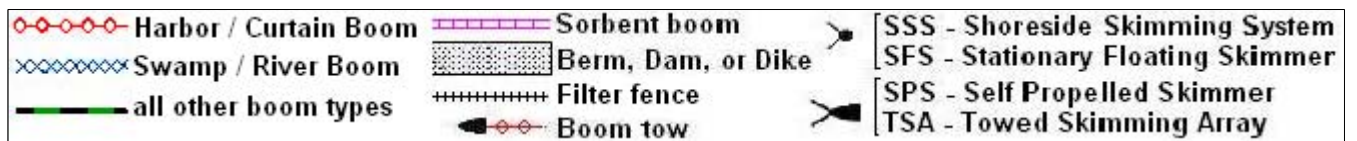
ADDITIONAL OPERATIONAL COMMENTS:

Small aircraft can fly to Catalina Island.



Corey Kong (OSPR) & MSTC Seibel/USCGR
Date: 28/JULY/03

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
Site Name: SALTA VERDE POINT
Site Number: 5-460



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5-470 -A/B Site Summary- Seal Rocks - Catalina Island**5-470 -A/B**

County: **Los Angeles Co.** Thomas Guide Location: ACP Division: Latitude N Longitude W
USGS Quad: **Santa Catalina E** NOAA Chart: **18757** Decimal Minutes: 33 18.1 118 18.1
Decimal Degrees: 33.307100 -118.305900

Last Page Update : 3/11/2008

SITE DESCRIPTION:

Nearshore rock and shoreline relief areas for Harbor Seal and California Seal Lion haul-out and pupping.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - Feb. to June. Rank B - Rest of year.

RESOURCES OF PRIMARY CONCERN

Harbor Seal and California Sea Lion haul-out and pupping.

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
T		U.S. Fish and Wildlife Service (8 am - 5 pm)	(760) 431-9440
O		Catalina Island Conservancy	(310) 510-1421
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Joe Cordaro Marine Mammals	NOAA/Nat. Mar. Fish. Service	(562) 980-4017
T	Robert Read Marine Mammals	Calif. Dept. of Fish and Game Marine Region	(858) 467-4213

ADDITIONAL SITE SUMMARY COMMENTS:

5-470 -A/B Site Strategy - Seal Rocks - Catalina Island

5-470 -A/B

County: **Los Angeles Co.** Thomas Guide Location:
USGS Quad: **Santa Catalina E** NOAA Chart: **18757**

ACP Division:

Latitude N Longitude W
Decimal Minutes: 33 18.1 118 18.1
Decimal Degrees: 33.307100 -118.305900

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect sensitive species breeding and foraging habitat.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions.

SITE STRATEGIES

Strategy 5-470.1 Objective: Open water recovery to prevent oil from reaching shoreline.

Under suitable sea conditions, use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-470.1			3000 Ocea		0		8	0		0					16

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access best by boat.

LAND ACCESS: Access best by boat.

WATER LOGISTICS:

Limitations: depth, obstruction

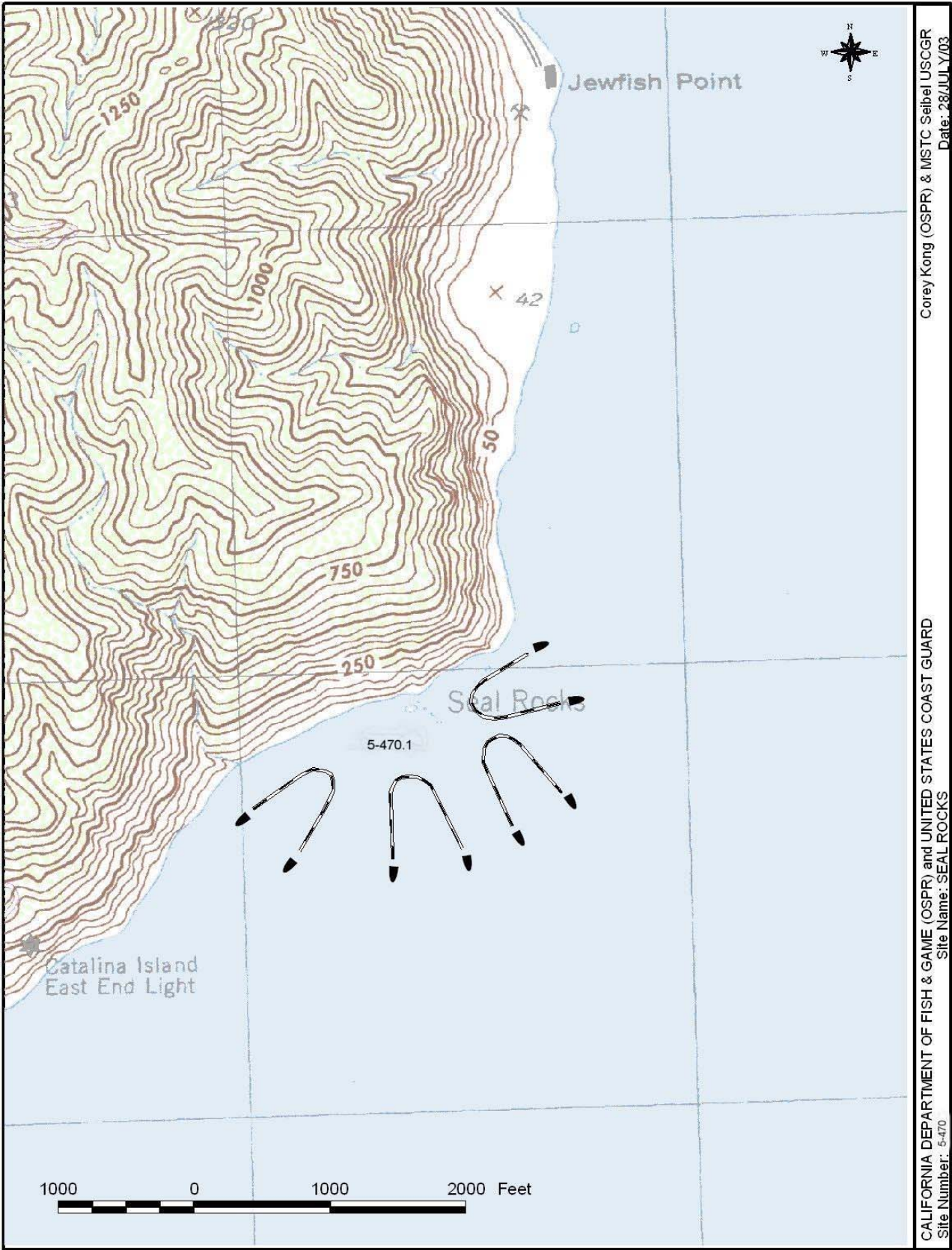
Launching, Loading, Docking Limited services available at Avalon, Two Harbors, and Catalina Harbor.
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

Small aircraft can fly to Catalina Island.



Corey Kong (OSPR) & MSTC Seibel USCGR
Date: 28/JULY/03

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
Site Name: SEAL ROCKS
Site Number: 5-470

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5-510 -A Site Summary- San Nicolas Island**5-510 -A**

County: **Ventura Co.** Thomas Guide Location: ACP Division: Latitude N Longitude W
USGS Quad: **San Nicolas Isla** NOAA Chart: **18740** Decimal Minutes: 33 15.0 119 30.5
Decimal Degrees: 33.247900 -119.501100

Last Page Update : 3/11/2008

SITE DESCRIPTION:

San Nicolas Island is the site of an attempt to establish a breeding colony of Sea Otters. Sea Otters may occur within any of the nearshore zones around the island, but the majority of the marine mammal colonies are found at the west end of the island.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - All year.

RESOURCES OF PRIMARY CONCERN

Harbor Seal, California Sea Lion, and Northern Elephant Seal haul-out and pupping areas. Seabird roosting sites. Extensive kelp beds.

California Brown Pelican (Federal and State endangered species) and Cormorants.

Sea Otter (Federal threatened species).

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T		U.S. Fish and Wildlife Service (Ventura Office)	(805) 644-1766
T		Calif. Dept. of Fish and Game (24 hr)	(916) 358-1300
TE		U.S. Navy Duty Officer-San Nicolas Island	(805) 989-7259
TE		U.S. Navy Duty Officer-San Nicolas Island	(805) 989-2370
TE		U.S. Navy Duty Officer-San Nicolas Island	(805) 989-2335
T		U.S. Fish and Wildlife Service (24 hr)	(760) 271-6934
O		Catalina Island Conservancy	(310) 510-1421
T		Calif. Dept. of Fish and Game (Los Alamitos)	(562) 342-7100
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	Joe Cordaro Marine Mammals	NOAA/Nat. Mar. Fish. Service	(562) 980-4017
T	Rick Hanks Coastal National Monument	Bureau of Land Management	(831) 372-6105
T	Mike Harris Sea Otters	Calif. Dept. of Fish and Game OSPR	(805) 772-1135
T	Brian Hatfield	U.S. Geological Survey (sea otters)	(805) 927-3893
T	Robert Read Marine Mammals	Calif. Dept. of Fish and Game Marine Region	(858) 467-4213

ADDITIONAL SITE SUMMARY COMMENTS:

5-510 -A Site Strategy - San Nicolas Island

5-510 -A

County: **Ventura Co.** Thomas Guide Location: ACP Division: Latitude N Longitude W
USGS Quad: **San Nicolas Isla** NOAA Chart: **18740** Decimal Minutes: 33 15.0 119 30.5
Decimal Degrees: 33.247900 -119.501100
Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect sensitive species including a new colony of Sea Otters. There are several points on the island which may have one or more protected species. Location of deployment will depend on the direction of the incoming oil plume.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions.

SITE STRATEGIES

Strategy 5-510.1 Objective: Open water recovery to prevent oil from reaching shoreline.

Under suitable sea conditions, use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary. Vessel captains should be cautious of shallow spots and thick kelp on the west end.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-510.1			3750 Ocea		0		10	0		0				20	

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access best by boat.

LAND ACCESS: Access best by boat.

WATER LOGISTICS: Shallow reefs and thick kelp.

Limitations: depth, obstruction

Launching, Loading, Docking No services available.

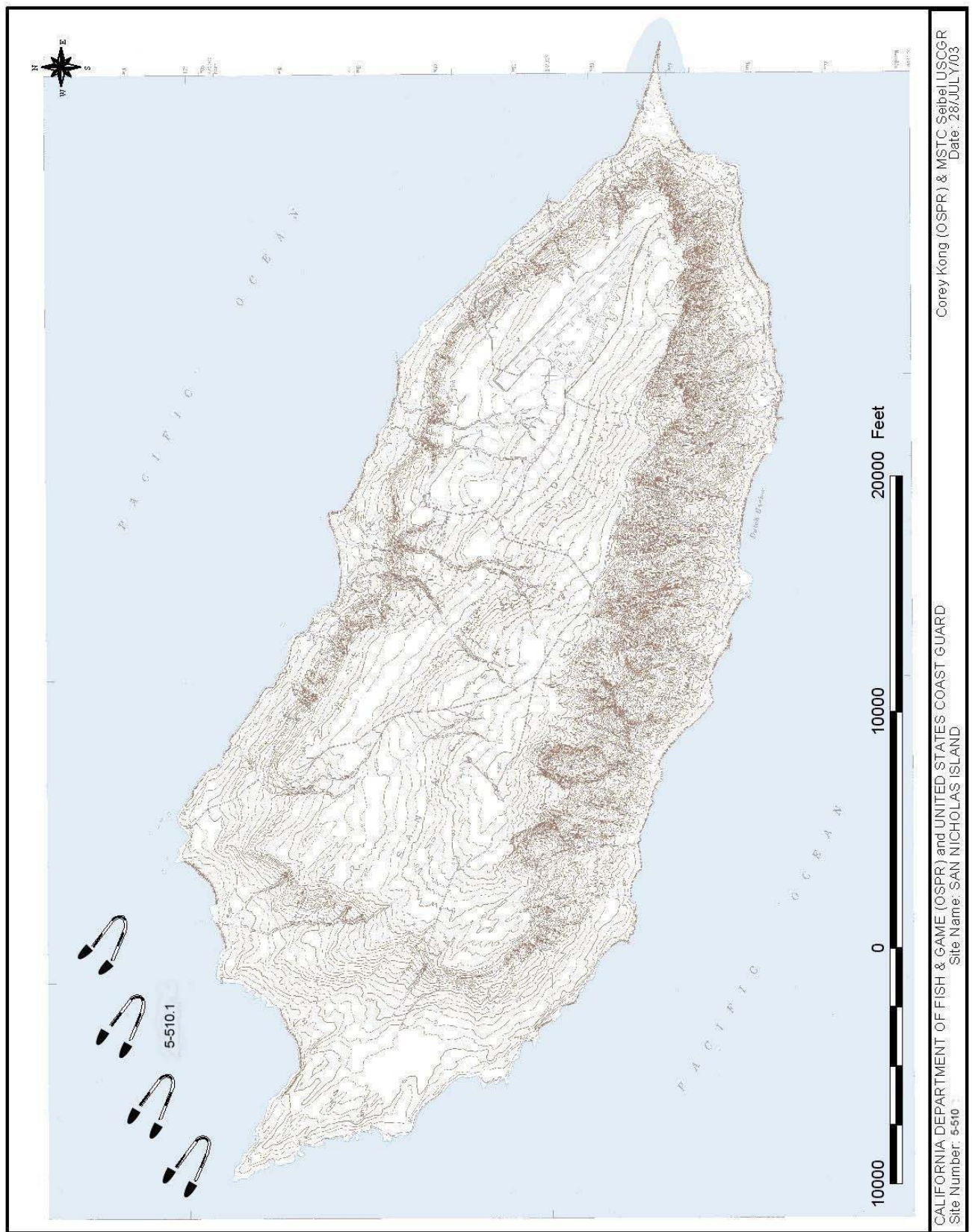
and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS: Limited cellular phone coverage.

ADDITIONAL OPERATIONAL COMMENTS:

Access is exclusively by boat and air. Contact Naval Command in Port Hueneme as work will be close to a Naval facility and access is restricted.



Corey Kong (OSPR) & MSTC Seibel USCGR
Date: 28/JULY/03

CALIFORNIA DEPARTMENT OF FISH & GAME (OSPR) and UNITED STATES COAST GUARD
Site Name: SAN NICOLAS ISLAND
Site Number: 5-510

Harbor / Curtain Boom	Sorbent boom	SSS - Shoreside Skimming System
Swamp / River Boom	Berm, Dam, or Dike	SFS - Stationary Floating Skimmer
all other boom types	Filter fence	SPS - Self Propelled Skimmer
	Boom tow	TSA - Towed Skimming Array

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5-550 -A/B Site Summary- Santa Barbara Island**5-550 -A/B**

County: **Santa Barbara C** Thomas Guide Location: ACP Division: Decimal Minutes: 33 28.5 Longitude W: 118 2.1
 USGS Quad: **Santa Barbara Is** NOAA Chart: **18756** Decimal Degrees: 33.476814 -119.035125

Last Page Update : 3/11/2008

SITE DESCRIPTION:

Santa Barbara Island lies approximately 70 miles south of Mugu Lagoon. It is about one square mile in size and most of the shoreline consists of vertical rock cliffs and wave-cut platforms, with scattered coarse-grained sand to gravel beaches. This island is very important for marine mammals and seabird nesting. Dispersant use should be considered for oil on deep water.

SEASONAL and SPECIAL RESOURCE CONCERN

Rank A - Jan. to July. Rank B - Rest of year.

RESOURCES OF PRIMARY CONCERN

Harbor Seal, California Sea Lion, and Northern Elephant Seal haul-out and pupping areas. Seabird roosting sites. Extensive kelp beds.

California Brown Pelicans (Federal and State endangered species), Xantus's Murrelet, shorebirds, and seabirds

CULTURAL, HISTORIC, and ARCHEOLOGICAL SENSITIVITIES

Contact the California Dept. of Parks and Recreation - Office of Historical Preservation at (916) 653-6624 and the South Central Coastal Information Center at (714) 278-5395 for specific information on historic or cultural resources in this area.

KEY CONTACTS: Trustee (T); Entry/Owner/Access (E); Cultural (C); or Other Assistance (O)

Type	Name / Title	Organization	Phone
T		Channel Islands Nat. Mar. Sanctuary Channel Islan	(805) 382-6149
T		U.S. Fish and Wildlife Service (Ventura Office)	(805) 644-1766
T		Channel Islands National Park (after hours)	(805) 218-0251
T		NOAA Protected Resources	(562) 980-4020
T	CINMS Office (8am - 5pm)	Channel Islands Nat. Mar. Sancturay Santa Barbara	(805) 966-7107
T	CINMS 24hr Emergency Pager	Channel Island Nat. Mar Sanctuary	(877) 982-2617
T	CINP Dispatch	Channel Islands National Park	(805) 658-5720
T	OSPR Technical Specialist	Calif. Dept. of Fish and Game OSPR	(562) 598-4052
T	OSPR Environmental Scientist	Calif. Dept. of Fish and Game OSPR	(562) 598-6203
T	Kristine Barsky Marine Biologist	Calif. Dept. of Fish and Game Marine Region	(805) 985-3114
T	Joe Cordaro Marine Mammals	NOAA/Nat. Mar. Fish. Service	(562) 980-4017
T	Kate Faulkner Chief, Natural Resources	Channel Islands National Park	(805) 658-5709
T	Jack Fitzgerald Chief Ranger	Channel Islands National Park	(805) 658-5717
T	Russel E. Galipeau Superintendent	Channel Islands National Park	(805) 658-5702
T	Todd Jacobs Deputy Superintendent	Channel Islands National Marine Sanctuary	(805) 884-1470
C	Kelly Minas Archaeologist		(805) 658-5754
T	Chris Mobley Sanctuary Superintendent	Channel Islands National Marine Sanctuary	(805) 884-1465
T	Mike Morales Supervisory Ranger	Channel Islands National Park	(805) 658-5740
T	Dan Richards Marine Biologist	Channel Islands National Park	(805) 658-5760
T	Ben Waltenberger CINMS Emergency Officer	Channel Islands National Marine Sanctuary	(805) 729-3082

ADDITIONAL SITE SUMMARY COMMENTS:

See Channel Islands Response Overview following the site diagram.

5-550 -A/B Site Strategy - Santa Barbara Island

5-550 -A/B

County: **Santa Barbara C** Thomas Guide Location: ACP Division: Latitude N Longitude W
USGS Quad: **Santa Barbara Is** NOAA Chart: **18756** Decimal Minutes: 33 28.5 118 2.1
Decimal Degrees: 33.476814 -119.035125

Last Page Update : 4/21/2005

CONCERNS and ADVICE to RESPONDERS:

To protect sensitive species and habitat. There are several points on the island which may have one or more protected species. Location of deployment will depend on the direction of the incoming oil plume.

HAZARDS and RESTRICTIONS:

Watch weather and sea conditions.

SITE STRATEGIES

Strategy 5-550.1 Objective: Open water recovery to prevent oil from reaching shoreline.

Under suitable sea conditions, use towed boom arrays with OSRO vessels and vessels of opportunity (each boom 660' to 750') as necessary. Vessel captains should be cautious of shallow spots and thick kelp on the west end.

Table of Response Resources

number	boom	boom	boom type	boom	no	type and gear	boat	punts	No	Type	No	and	kinds	deploy	tend
5-550.1			3750 Ocea		0		10	0		0					20

LOGISTICS

DIRECTIONS: to site (by land and/or by water, to nearest launch ramp and are access permits required.)

Access by boat only.

LAND ACCESS: Access by boat only.

WATER LOGISTICS: Shallow reefs and thick kelp.

Limitations: depth, obstruction

Launching, Loading, Docking No services available.

and Services Available:

FACILITIES, STAGING AREAS, POSSIBLE FIELD POSTS AND EQUIPMENT AVAILABLE:

COMMUNICATIONS PROBLEMS:

ADDITIONAL OPERATIONAL COMMENTS:

Contact the Channel Islands National Park. Santa Barbara Island is designated as part of a National Park, a National Marine Sanctuary, an "Area of Special Biological Significance" (ASBS) and is included in the International Biosphere Preserve Program. Trustee agencies may not sanction beach cleanup activities that interfere with marine mammals and/or bird populations. Every method to keep oil from coming ashore should be considered. The National Park Service reserves the right to deny access to anyone at any given time as circumstances dictate. See Channel Islands Response Overview following the site diagram.



Channel Islands Response Overview

Intro

The five northern Channel Islands (Anacapa, Santa Cruz, Santa Rosa, San Miguel and Santa Barbara) and the associated waters surrounding the islands pose significant challenges to spill response. This section will cover some of the general islands-wide issues that must be taken into consideration before any response operations are conducted on the islands.

Description

The Channel Islands described here are all part of the Channel Islands National Park (CINP) while the surrounding waters are part of the Channel Islands National Marine Sanctuary (CINMS). CINP consists of 390 m² (half of which is under water) while the CINMS consists of a total of a 1,252-square-nautical-mile area of ocean surrounding the islands. Roughly 75% of Santa Cruz Island is owned and managed by the Nature Conservancy, a private, non-profit organization. The islands and the surrounding waters hold significant biological, archeological, and cultural resources that are at risk from oil spills. These resources include but are not limited to: federal and state listed endangered species, large sea bird and marine mammal populations, Native American archeological sites, and shipwrecks.

Logistics

The only way to gain access to the Channel Islands is by boat or aircraft. The nearest harbors are located in the cities of Santa Barbara and Ventura; except for Santa Barbara Island (which is further south and is better accessed by Los Angeles/Long Beach Harbors). Conditions in the Santa Barbara Channel and around the islands are variable and the ocean is unforgiving. Only experienced skippers with vessels capable of withstanding severe weather are advised to make the cross-channel passage. Major shipping lanes lie between the islands and the mainland. Aircraft usage within or above the CINP is difficult due to complex take-off and landing conditions as well as biological restrictions (see Response Limitations and Bio-Security below for more information). Channel Islands Aviation, based out of the Camarillo Airport, is well equipped and experienced with flying and landing within the CINP.

There are very few locations upon the islands that can serve as staging areas and even fewer opportunities for the housing response personnel. If it is necessary to set up equipment staging or to house response personnel on the islands, it is essential that the incident command work closely with CINP representatives in order to establish appropriate locations.

Communications:

Each island is equipped with at least 1 base station radio for communication with park headquarters and a marine band radio. Channel 16 on marine VHF is normally monitored during working and later hours. Each island ranger is equipped with a hand held radio.

Response Limitations and Bio-security

Due to the special biological and cultural significance of the Channel Islands, mounting any response actions within the CINP and the CINMS presents unusual difficulties. Each island present its own limitations which can change based upon weather or time of the year. The specifics of these are listed below in the Island Specific Logistics section but there are some general restrictions and limitations that are island wide and always in force. Any variation from these restrictions must be done with express permission of CINP representative.

- Bio-security: the prevention of the introduction of non-native and/or invasive species onto the islands is of paramount importance. All response activities within the CINP must comply with the limitations and requirements of the Bio-security Protocols listed in the following section.
- Private aircraft may not land within park boundaries. All aircraft must maintain a minimum 1000-foot altitude above land and sea surfaces within the park.
- Fires and smoking are not permitted except in designated areas.
- Landing is not permitted on offshore rocks and islets.
- Collecting of plants, rocks, animals and artifacts is prohibited.

Contacts

Each site summary lists the key contacts for response within the CINP and CINMS. Since the contact list for each site is the same, the list is reprinted here for easy access.

Channel Islands National Parks Contacts

Channel Islands National Park Dispatch (Office) (8 Am to 4:30 Pm; 7 days a week)	805-658-5720
Chief Ranger (Park Oil Spill Coordinator) Jack Fitzgerald	(Office) 805-658-5717 (Cell) 805-218-0251 (Home) 805-647-1807
Superintendent Channel Islands National Park (Agency Representative) Russell E. Galipeau, Jr.	(Office) 805-658-5702 (Cell) 805-451-2199 (Home) 805-499-4109
Alternate Supervisory Ranger Mike Morales	(Office) 805-658-5740 (Home) 805-477-0722 (Cell) 805-804-0057
Chief, Natural Resources Management Kate Faulkner	(Office) 805-658-5709 (Cell) 805-218-8221
Archeologist Kelly Minas	(Office) 805-658-5754
Marine Biologist Dan Richards	(Office) 805-658-5760 (Cell) 805-794-3756

Channel Islands National Marine Sanctuary Contacts

Channel Islands National Marine Sanctuary 24 Hour Emergency Pager	(Pager) 877-982-2617
Emergency Response Officer Ben Waltenberger	(Cell) 805-729-3082 (Office) 805-884-1461
Sanctuary Superintendent Chris Mobley	(Cell) 805-259-6540 (Office) 805-884-1465
Sanctuary Deputy Superintendent	(Cell) 805-455-1981

Todd Jacobs	(Office) 805-884-1470
Channel Islands NMS Main Office (0800-1700)	805-966-7107

Island Specific Logistics

Anacapa

Aircraft Runways: None

Vessel Landing Areas: Landing Cove (north face of island on the east end). Caution-monitor sea conditions and depth before attempting approach.

Anchorage: Frenchy's Cove (north face of island near West and Middle Anacapa isthmus). Landing Cove (north face of island on the east end). East Fish Camp (south face of island on east end of Middle Anacapa).

Staging Areas: None

Personnel Lodging: Campground on East Anacapa

Roads & Vehicles: None

San Miguel:

Aircraft Runways: Primitive airstrip near ranger station at Lester Ranch.

Vessel Landing Areas: None

Anchorage: Cuyler Cove (north-center of island). Tyler Bight (southwest side island near Pt Bennett site boundary).

Staging Areas: None

Personnel Lodging: None

Roads & Vehicles: None

Santa Cruz:

Aircraft Runways: Several primitive airstrips around island (consult CINP).

Vessel Landing Areas: Prisoners Harbor (Northeast face of center of island). Scorpion Harbor (Northeast end of island). Caution: monitor sea conditions and depth before attempting approach.

Anchorage: At least 2 dozen possible anchorages around the island. Most on the eastern half.

Staging Areas: Several possible staging areas (consult CINP)

Personnel Lodging: Several campgrounds (consult CINP)

Roads & Vehicles: Passenger vehicles, bulldozer, and tractor(s). Note: many roads impassable in wet conditions.

Santa Rosa:

Aircraft Runways: Primitive airstrip near ranger station near Water Canyon.

Vessel Landing Areas: Bechers Bay landing dock is on the northeast side of island near the ranger station. Caution: monitor sea conditions and depth before attempting approach.

Anchorage: Several possible anchorages around island (consult CINP)

Staging Areas: Several possible staging areas (consult CINP)

Personnel Lodging: Campground near runway.

Roads & Vehicles: Passenger vehicles and a tractor. Note many roads impassable in wet conditions.

9841.2 Cultural and Other Resources at Risk

This section provides cultural and other resources at risk information that may not be included in sensitive site information. This section also includes information such as "Essential Fish Habitat" or other variable resource patterns which may occur in a given area.

9841.21 Cultural and Historical Resources

Introduction

The primary purpose this section is to identify and incorporate into emergency response planning, the specific resources subject to injury or damages from an oil spill event. An important and immediate consideration at the occurrence of an oil spill in California marine waters is whether areas that are culturally sensitive or contain historical or archaeological resources may be impacted by the spill. The affects of oil upon these resources can be extremely damaging. Often of greatest concern to the safety of cultural and historical resources are the response actions such as establishment of equipment staging areas. Culturally sensitive areas are often difficult to identify visually and therefore pre-sill planning becomes essential to avoid damaging these resources.

Historical resources are defined under the California Environmental Quality Act (CEQA) to include, but not limited to: "any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California." These sites or areas would either be on or eligible to be placed on the California Register of Historical Resources or the National Register of Historical Places.

The CEQA defines an important archaeological resource as one that: "A) is associated with an event or person of; 1) recognized significance in California or American history, or 2) recognized scientific importance in prehistory; B) can provide information which is both demonstrable public interest and useful in addressing scientifically consequential and reasonable archaeological research questions; C) has a special or particular quality such as oldest, best example, largest, or last surviving example of its kind; D) is at least 100 years old and possesses substantial stratigraphic integrity; E) involves important research questions that historical research has shown can be answered only with archaeological methods."

Culturally Sensitive Areas

This Area Contingency Plan does not attempt to identify the location of sites or areas of importance to Native Americans. Many of the coastal areas of significance to Native Americans are known or have been identified, but are often confidential information. This planning document provides, as available, the contact names, locations and phone numbers of knowledgeable sources for information on areas of cultural or economic significance to Native Americans within California.

The coastline of California contains many sites with culturally sensitive resources. The locations of some sites are available to the general public but many other locations are held as confidential information at Regional Information Centers throughout the State and by local Indian organizations. Culturally sensitive areas exist on both public and private lands and

therefore the following public agencies and individuals listed below should be contacted during a significant oil spill incident:

Native American Heritage Commission

915 Capitol Mall, Room 364
Sacramento, CA 95814

Phone:(916) 653-4082
FAX:(916) 657-5390

Office of Historic Preservation

Department of Parks and Recreation
1416 9th St.
Sacramento, CA 94296-0001

Phone:(916) 653-6624
FAX:(916) 653-9824
calshpo@parks.ca.gov
www.ohp.parks.ca.gov

Cultural Resources Division

Department of Parks and Recreation
1416 9th St.
Sacramento, CA 94296-0001

Contact: John W. Foster
Phone:(916) 653-4529
FAX:(916) 653-3398

Local Native American Representatives

An important and immediate consideration of the occurrence of on oil spill along the California coastline is whether areas that are culturally and historically significant will be impacted by oil. The effect of oil is damaging upon these sites, however, potential response actions can be even more destructive if not properly supervised. Marine spills can cover large areas and with state and federal public properties overlapping with private lands along the coast ownership of affected segments of coastline may be difficult to discern without proper boundary identification.

The California Department of Parks and Recreation owns State park and beach properties along the Los Angeles and Orange County coastline. At the time of a spill State Park Archeologists should be notified in order to evaluate known cultural resources sensitivity within park lands and to determine if a Native American representative is required to be on scene of a response.

Santa Ynez Band of Chumash Indians Chumash
Tribal Elders Council
P.O. Box 365
Santa Ynez, CA 93460
(805) 688-8446
(805) 693-1768 FAX

Gabrielino

Juaneño

A geographic distribution of Native American tribes in California is shown following the list of regional information centers for historically sensitive resources. All coastal areas for each tribe are considered economically significant, because fishing and other traditional uses span the length of coast line for each group.

Historical and Archaeological Sites

California has many identified historical or archaeological sites of significance near marine waters of the State. The Office of Historic Preservation within the Department of Parks and Recreation, maintains the California Register of Historical Resources. The California State Lands Commission maintains a database of known shipwrecks and other underwater marine archaeologically significant resources in state waters. Provided below is a list of references for information about historical and archaeological sites at risk from marine oil spills.

Office of Historic Preservation

Department of Parks and Recreation
1416 9th St., Room 1442-7
Sacramento, CA 95814
(916) 653-6624
(916) 653-9824 FAX

P.O. Box 942896
Sacramento, CA 94296-0001

calshpo@parks.ca.gov
www.ohp.parks.ca.gov

California State Lands Commission

100 Howe Ave., Suite 100 South
Sacramento, CA 95825-8202
(916) 574-1900
(916) 574-1810 FAX

Long Beach – Mineral Resources Management Division
200 OceanGate, 12th Floor
Long Beach, CA 90802-4331
(562) 590-5295 FAX

Paul B. Mount
Division Chief Mineral Resources
(562) 590-5205
(562) 590-5210 FAX
mountp@slc.ca.gov

www.slc.ca.gov

Information Center of the California Archeological Inventory

The following institutions are under agreement with the Office of Historic Preservation to:

- Integrate newly discovered sites and information on known sites into the California Archeological Inventory;
- Supply information on known sites and archeological surveys to governments, institutions, and individuals who have a justifiable need to know;

Supply a list of consultants who are qualified to do archeological field work within their area.

Information Centers:

Dr. Michael A. Glassow, Coordinator
Central Coastal information Center
Department of Archeology
University of California, Santa Barbara
Santa Barbara, CA 93106

Contact: Amy Gusick
(805) 893-2472
(805) 893-8707 FAX

South Central Coastal Information Center
SCCIC – Department of Anthropology
CSU Fullerton
800 North State College Blvd.
Fullerton, CA 92834
(714) 278-5395
(714) 278-5542 FAX
sccic@fullerton.edu
www.anthro.fullerton.edu/sccic/

9841.22 Essential Fish Habitat

Ocean fisheries are managed under the Fishery Conservation and Management Act of 1976, now known as the Magnuson-Stevens Fishery Conservation and Management Act (MSA). The Act provided the National Marine Fisheries Service (NMFS) legislative authority for fisheries regulation in the United States, in the area between three-miles to 200 miles offshore.

In 1996, the Magnuson-Stevens Act was re-authorized and amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267) to emphasize the sustainability of the nation's fisheries and establish a new standard by requiring that fisheries be managed at maximum sustainable levels and that new approaches be taken in habitat conservation. This habitat is called "Essential Fish Habitat" (EFH). The Act established procedures designed to identify, conserve, and enhance EFH for those species regulated under a Federal fisheries management plan.

The MSA requires Federal agencies to consult with NMFS on all actions, or proposed actions, authorized, funded, or undertaken by the agency, that may adversely affect EFH (MSA §305(b)(2)). See ACP Section 4800 for consultation procedures.

EFH means "those waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity" (MSA §3). For the purpose of interpreting this definition of EFH: **Waters** include aquatic areas and their associated physical, chemical, and biological properties that are used by fish and may include aquatic areas historically used by fish where appropriate; **substrate** includes sediment, hard bottom, structures underlying the waters, and associated biological communities; **necessary** means the habitat required to support a sustainable fishery and the managed species' contribution to a healthy ecosystem; and "spawning, breeding, feeding, or growth to maturity" covers a species' full **life cycle** (50 CFR 600.10). **Adverse effect** means any impact which reduces quality and/or quantity of EFH, and may include direct (e.g., contamination or physical disruption), indirect (e.g., loss of prey or reduction in species fecundity), site-specific or habitat-wide impacts, including individual, cumulative, or synergistic consequences of actions (50 CFR 600.810).

The EFH mandate applies to all species managed under a federal Fishery Management Plan (FMP). For the Pacific West Coast (excluding Alaska), there are three FMPs, covering groundfish, coastal pelagic species, and Pacific salmon. Therefore, Federal agencies must consider the impact of a proposed action on EFH for any species managed under those three FMPs. A brief description of EFH identified in each FMP follows. Detailed descriptions are contained in the references following the EFH Assessment template.

Groundfish: EFH for Pacific coast groundfish is defined as the aquatic habitat necessary to allow for groundfish production to support long-term sustainable fisheries for groundfish and for groundfish contributions to a healthy ecosystem. Descriptions of groundfish EFH for each of the 83 species and their life stages result in more than 400 EFH identifications. When these EFHs are taken together, **the groundfish EFH includes all waters from the mean higher high water line, and the upriver extent of saltwater intrusion in river mouths, along the coasts of Washington, Oregon and California seaward to the boundary of the U.S. exclusive economic zone (EEZ).**

Coastal pelagic species: Amendment 8 to The Coastal Pelagic Species Fishery Management Plan describes the habitat requirements of five pelagic species: Northern anchovy, Pacific sardine, Pacific (chub) mackerel, jack mackerel and market squid. These four finfish and market

squid are treated as a single species complex because of similarities in their life histories and habitat requirements. EFH for coastal pelagic species is defined as: **The east-west geographic boundary of EFH for CPS is defined to be all marine and estuarine waters from the shoreline along the coasts of California, Oregon and Washington offshore to the limits of the EEZ and above the thermocline where sea surface temperatures range between 10o – 26o C. The southern boundary is the U.S.-Mexico maritime boundary. The northern boundary is more dynamic, and is defined as the position of the 10o C isotherm, which varies seasonally and annually.**

Pacific salmon - chinook, coho, and Puget Sound pink salmon: EFH for the Pacific coast salmon fishery means those waters and substrate necessary for salmon production needed to support a long-term sustainable salmon fishery and salmon contributions to a healthy ecosystem. To achieve that level of production, EFH includes all those streams, lakes, ponds, wetlands, and other currently viable water bodies and most of the habitat historically accessible to salmon in Washington, Oregon, Idaho, and California. **In the estuarine and marine areas, salmon EFH extends from the nearshore and tidal submerged environments within state territorial waters out to the full extent of the exclusive economic zone (370.4 km) offshore of Washington, Oregon, and California north of Point Conception. Freshwater EFH for Pacific salmon includes all those streams, lakes, ponds, wetlands, and other water bodies currently, or historically accessible to salmon in Washington, Oregon, Idaho, and California, except areas upstream of certain impassable man-made barriers (as identified by the PFMC), and longstanding, naturally-impassable barriers (i.e., natural waterfalls in existence for several hundred years).**

Southern California Steelhead: Southern steelhead may have occupied as much as 15% of the winter steelhead range in California, but the present distribution in southern California has been reduced to perhaps 1% of the stream miles they formerly inhabited (E. Gerstung, in: CDFG, 1995). Juvenile steelhead rear in freshwater 1- 4 years and then spend 1-5 years (usually 2-3 in California) in the ocean. Southern steelhead usually spend less time in fresh water because of inhospitable conditions in the lower reaches of Southern California streams. Therefore they may migrate to the ocean or have greater dependency on coastal lagoons during the first year. Fish movements both upstream and downstream coincide with flow pulses from storms. These coastal streams are characterized by sand bar build up during low flow summer months at the mouth. Listed as an endangered species on 8/18/97. **The Evolutionary Significant Unit includes all naturally spawned populations of steelhead (and their progeny) in streams from the Santa Maria River to Malibu Creek.**

References

Casillas, E., L. Crockett, Y. deReynier, J. Glock, M. Helvey, B. Meyer, C. Schmitt, M. Yoklavich, A. Bailey, B. Chao, B. Johnson and T. Pepperell. 1998. Essential Fish Habitat West Coast Groundfish Appendix, National Marine Fisheries Service, 778 pp.

Calif. Dept. of Fish and Game (CDFG). 1995. *Fish species of special concern in California*. By Moyle, Yoshiyama, and Williams. Sacramento. 272 p.

PFMC (Pacific Fishery Management Council). 1999. Amendment 14 to the Pacific Coast Salmon Plan. Appendix A: Description and Identification of Essential Fish Habitat, Adverse Impacts and Recommended Conservation Measures for Salmon (August 1999).

PFMC (Pacific Fishery Management Council). 1998. Final Environmental

Assessment/Regulatory Review for Amendment 11 to the Pacific Coast Groundfish Fishery Management Plan (October 1998).

PFMC (Pacific Fishery Management Council). 1998. The Coastal Pelagic Species Fishery Management Plan: Amendment 8 (December 1998).

9841.3 Economically Sensitive Areas

The primary purpose Section 9841.3 is to identify and incorporate into emergency response planning, the specific resources subject to injury or damages from an oil spill event. Subsection 9841.3 contains information that identifies through lists, tables, maps, and/or text, many of the economic resources that face potential damages due to an oil spill. Limitations of time, personnel, and the availability of information suggest that all resources of significant economic value and susceptible to marine oil spills, could not be identified at this time.

People involved with response planning recognize that throughout California marine waters, along the State's shoreline, and within coastal communities there are many resources of economic importance that could be severely impacted by an oil spill incident.

Relation to Environmentally Sensitive Areas in Section 9841.1

Section 9841.1 contains maps and site summary sheets with information about the environmental sensitivity of specific locations within the planning area. State and Federal law establish three priority levels for dedication of emergency oil spill response resources.

- First Priority - Protection of human health and safety
- Second Priority - Protection of environmental resources
- Third Priority - Protection of economic resources

Examples of resources that will receive a first priority response (human health and safety) includes:

- power plant intake
- desalinization plants
- drinking water intakes
- other health/safety intakes
- public use areas at risk (e.g. fire department)
- (e.g. hazardous fumes)

Environmentally sensitive sites are designated as the second priority for oil spill response resources. Environmental sites are categorized in Section 9841.1 using a scale of A, B, and C. Sites ranked with an A are the most sensitive to an oil spill.

Economically Sensitive Area Ranking

Strictly economic resources are designated as the third priority for dedication of oil spill response resources, following human health and safety and environmental resources. The economic sites are ranked using a continuation of the environmental scale with D, E, and F categories. Economic resources that have a greater potential for long-term damages receive a higher rank or priority for emergency response.

Response planners recognize that marine resources can have environmental, economic, and cultural or historical importance, such as coastal parks or important fishing areas. In these cases, the higher environmental ranking would be used for response planning. The need to set priorities for protection will occur only when response equipment or resources are inadequate to handle a given spill volume.

The Area Contingency Plan is a planning document intended to assist oil spill response personnel during actual response activities and with pre-spill planning. The Unified Command requires flexibility in planning response activities. This flexibility is necessary to provide the most appropriate response to a given spill event.

Criteria for Priority Response and Types of Economic Resources

The following criteria or definitions are used to categorize economic resources in terms of priority for response:

- D = Economic activities and resources which require high water quality for their operations or existence. Resources that fall into this category would face severe, long-term economic impacts from a spill. This category includes commercial fishing areas (also have environmental rank), aquaculture and mariculture areas, marine labs, salt pond intakes, aquarium water intakes, etc.
- E = Facilities, businesses, or resources which directly use coastal or bay waters within their economic activity and which are at risk of oiling from a spill in marine waters. The resources falling into this category would face significant disruption of their activity, but shorter term potential damages from oiling than resources in the "D" category. This category would include resources such as marinas, harbors, commercial piers, industrial intakes, and parks or recreational areas.
- F = This category contains marine associated facilities, businesses and resources. These resources would face economic impacts from a marine spill, but do not depend directly on marine water for their economic base. Resources in this category will tend to face less severe damages than those identified in categories D or E. This category includes economic resources such as waterfront hotels, restaurants, shops, and residential areas. (Note: residential sites would be evacuated to avoid health risks).

Types of Economically Significant Resources and Ranking

Listed below are various types of significant economic resources potentially at risk from oiling and the appropriate response priority category.

- aquaculture, mariculture (D)
- commercial fishing grounds or areas (D)
- aquariums, marine labs (D)
- facility intakes [not affecting public health] (D)
- parks, beaches, recreational areas (E)
- vessel or boat traffic areas: shipping lanes, harbor entrances, river mouths, bays, anchorages (E)
- marinas, houseboat areas (E)
- ferries and tour boats (E)
- port or harbor facilities (E)
- boat moorings, cargo piers, terminals, fishing piers (E)
- ship or boat repair shops (E)
- tourist, hotel, restaurant areas (F)
- waterfront residential areas (F)

Information About Sensitive Economic Resources

Attached to Section 9841.3 are lists of sensitive economic areas or resources. Below is a description of the types of information that can be provided for each identified economic resource or facility. Some information is unavailable for specific resources identified within this section.

1. Resource or facility identification number (identification number not available)
2. Location of resource or facility
3. Brief description of the resource at risk
4. Contact names and numbers (24 hour access if available)
5. Priority response category

9841.3 Economically Sensitive Areas – Los Angeles County Power Plants

LADWP Scattergood Generating Station

12700 Vista Del Mar

Los Angeles, CA

(310) 524-8600 Outside Contact Number

(310) 524-8507 Operations Supervisor (24 hr)

NRG El Segundo

301 Vista Del Mar

El Segundo, CA 90245

(310) 615-6303

AES Redondo Beach

1100 N. Harbor Dr.

Redondo Beach, CA 90277

(310) 318-7503

NRG Long Beach

2665 W. Seaside Blvd.

Long Beach, CA 90802

(562) 506-2536

AES Alamitos

690 N. Studebaker Rd.

Long Beach, CA 90803

(562) 493-7803

LADWP Haynes

6801 2nd Street

Long Beach, CA

(310) 522-7501 Assistant to Superintendent

(310) 522-7507 Shift Supervisor (24 hr)

9841.3 Economical Sites - Coastal

Roundhouse Marine Studies Lab and Aquarium

Aquariums/Marine Labs **D**

End of Manhattan Beach Pier

Operational Divison: LA-E 33.88339 118.41461

Manhattan Beach CA 90266

(310) 379-8117

An aquarium and marine research facility located at the end of the Manhattan Beach Pier.

Marina Del Rey Harbor

Vessel Traffic Areas **E**

Operational Divison: LA-D 33.96175 118.46103

Marina Del Rey CA

Harbor with public boat slips, marine supplies, fuel docks, charter fishing, shops, restaurants, and hotels. See following pages for economical sites within Marina Del Rey Harbor.

King Harbor

Vessel Traffic Areas **E**

W. of Harbor Dr.

Operational Divison: LA-E 33.84145 118.39475

Redondo Beach CA 90277

Harbor with public boat slips, marine supplies, fuel docks, charter fishing, shops, restaurants, and hotels. See following pages for economical sites within King Harbor.

Los Angeles Harbor

Vessel Traffic Areas **E**

West end of San Pedro Bay

Operational Divison: LA-G 33.70965 118.2483

Harbor - cargo and passenger terminals, commercial fishing fleet, bait, tackle, marinas, boat launches, and marine terminals. See following pages for economical sites within Los Angeles Harbor.

Long Beach Harbor

Vessel Traffic Areas **E**

Operational Divison: LA-G 33.72329 118.18348

Harbor - cargo and passenger terminals, bait, tackle, marinas, boat launches, and marine supplies. See following pages for economical sites within Long Beach Harbor.

Alamitos Bay

Vessel Traffic Areas **E**

Operational Divison: LA-H 33.74147 118.11842

Protected embayment with marinas, beaches, and marine repair. See following pages for economical sites within Alamitos Bay.

Leo Carrillo State Beach

Parks, Beaches, Recreational Areas **E**

36000 Pacific Coast Highway

Operational Divison: LA-A 34.04655 118.93291

Malibu CA 90265

Beach - camping and day use with fees. Whale whatching, wind surfing, surfing, and diving.

Nicholas Canyon Beach

Parks, Beaches, Recreational Areas **E**

33850 Pacific Coast Highway

Operational Divison: LA-A 34.04416 118.91422

Malibu CA 90265

Beach - day use with fee.

El Pescador State Beach

Parks, Beaches, Recreational Areas **E**

32900 Pacific Coast Highway

Operational Divison: LA-A 34.04085 118.89068

Maibu CA 90265

Beach - day use with fee.

9841.3 Economical Sites - Coastal

La Piedra State Beach

32700 Pacific Coast Highway

Malibu CA 90265

Beach - day use with fee.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-A 34.04021 118.88632

El Matador State Beach

32350 Pacific Coast Highway

Malibu CA 90265

Beach - day use with fee.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-A 34.03951 118.87572

Zuma Beach County Park

30050 block of Pacific Coast Highway

Malibu CA 90265

Beach - day use with fee.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-A 34.01598 118.81883

Point Dume Beach

7103 Westward Rd.

Malibu CA 90265

Beach - day use with fee. Whale whatching.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-A 34.01083 118.81673

Point Dume State Beach and Natural Preserve

Malibu CA

Beach park.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-B 34.00433 118.45451

Paradise Cove

28128 Pacific Coast Highway

Malibu CA

Beach - private. Day use with fee.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-B 34.02061 118.7891

Escondido Creek Beach

27200 block of Pacific Coast Highway

Malibu CA

Beach - day use.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-B 34.02561 118.7648

Dan Blocker County Beach

26000 block of Pacific Coast Highway

Malibu CA 90265

Beach - day use.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-B 34.03314 118.7292

Malibu Lagoon State Park

23200 Pacific Coast Highway

Malibu CA 90265

Park with beach, lagoon, and museum.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-C 34.03399 118.68416

9841.3 Economical Sites - Coastal

Malibu Surfrider Beach

23050 Pacific Coast Highway

Malibu CA 90265

Beach - day use with a popular surf break.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-C 34.03493 118.68004

Malibu Pier

23000 Pacific Coast Highway

Malibu CA 90265

Pier.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-C 34.03734 118.67566

Las Tunas Beach

19444 Pacific Coast Highway

Malibu CA 90265

Beach - day use.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-C 34.03942 118.59636

Topanga Beach

18700 Pacific Coast Highway

Malibu CA 90265

Beach - day use.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-C 34.03987 118.57922

Will Rogers State Beach

17700 Pacific Coast Highway

Pacific Palisades CA 90272

Beach - day use.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-D 34.03583 118.53564

Santa Monica State Beach

100 - 2900 Ocean Ave.

Santa Monica CA 90401

Beach - day use. Starts at 34.02541 118.51695 and ends at 33.99646 118.48334.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-D 34.02541 118.51695

Santa Monica Municipal Pier

Colorado and Ocean Aves.

Santa Monica CA

Pier with restaurants, amusement rides, entertainment, and fishing.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-D 34.01062 118.4952

Santa Monica County Beach

1500 block of Pacific Coast Highway

Santa Monica CA

Beach - day use with access to Santa Monica Municipal Pier.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-D 34.01022 118.49571

Venice City Beach

2700 - 3100 Ocean Front Walk

Venice CA 90291

Beach - day use with a popular boardwalk.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-D 33.99455 118.47961

9841.3 Economical Sites - Coastal

Venice Pier

Washington Blvd. and Ocean Front Walk
Venice CA
Pier - fishing.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-D 33.97905 118.46603

Dockweiler RV Park

12001 Vista Del Mar
Playa Del Rey CA 90293
Beach - recreational vehicle camping with fee.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-E 33.93079 118.43514

Dockwieler State Beach

12501 Vista Del Mar
Playa Del Rey CA 90293
Beach - day use with fee.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-E 33.9222 118.4309

Manhattan Beach

400 - 4500 The Strand
Manhattan Beach CA 90266
Beach - day use.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-E 33.89354 118.41673

Manhattan Beach Pier

Manhattan Beach Blvd. & the Strand
Manhattan Beach CA 90266
Pier - fishing.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-E 33.88441 118.4119

Hermosa Beach

Hermosa Ave. & 33rd St.
Hermosa Beach CA 90254
Beach - day use.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-E 33.86908 118.40416

Hermosa Beach Pier

Pier Ave. & the Strand
Hermosa Beach CA 90254
Pier - fishing.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-E 33.86229 118.40016

Redondo Beach Pier

100 W. Torrance Blvd.
Redondo Beach CA 90277
Pier - restaurants, shopping, entertainment, and fishing.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-E 33.8397 118.38998

Monstad Pier

100 W. Torrance Blvd.
Redondo Beach CA 90277
Pier - restaurants, shopping, entertainment, and fishing.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-E 33.83887 118.39075

9841.3 Economical Sites - Coastal

Redondo Beach

400 - 1700 Esplanade

Redondo Beach CA 90277

Beach - day use.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-E 33.82555 118.39013

Torrance Beach

387 Paseo de la Playa

Torrance CA 90501

Beach - day use.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-E 33.81317 118.39012

Malaga Cove

300 block of Paseo Del Mar

Palos Verdes Estates CA 90274

Beach - day use.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-F 33.80206 118.39572

White Point Beach/Royal Palms

1799 Paseo Del Mar

San Pedro CA 90732

Beach - day use.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-F 33.7166 118.3187

Cabrillo Beach

3720 Stephen M. White Dr.

San Pedro CA 90731

Beach - day use.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-F 33.71001 118.28392

9841.3 Economical Sites - Marina Del Rey

Mother's Beach

4135 Admiralty Way

Marina Del Rey CA 90292

Beach - day use. Within the harbor.

Parks, Beaches, Recreational Areas E

Operational Divison: LA-D 33.98194 118.45884

Fisherman's Village

13755 Fiji Way

Marina Del Rey CA 90292

Shops, restaurants, and sportfishing charters.

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.97175 118.44609

(310) 823-5411

Bay Club

13955 Tahiti Way

Marina Del Rey CA 90292

Berthing: 250

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.97392 118.45393

(310) 821-2542

Tahiti Marina

13800 Tahiti Way

Marina Del Rey CA 90292

Berthing: 224

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.97414 118.45198

(310) 301-6535

Neptune Marina

14126 Marquesa Way

Marina Del Rey CA 90292

Berthing: 184

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.97637 118.45766

(310) 823-4555

Villa Del Mar

13999 Marquesas Say

Marina Del Rey CA 90292

Berthing: 205

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.97656 118.45555

(310) 823-4644

Esprit Marina

13900 Marquesas Way

Marina Del Rey CA 90292

Berthing:

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.97631 118.45195

(310) 827-6743

Bar Harbor

4242 Via Marina

Marina Del Rey CA 90292

Berthing: 256

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.97781 118.45891

(310) 823-4689

Holiday Harbor - Marina Del Rey

14025 Panay Way

Marina Del Rey CA 90292

Berthing: 218

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.97905 118.4549

(310) 578-0566

9841.3 Economical Sites - Marina Del Rey

The Dolphin Marina

13900 Panay Way

Marina Del Rey CA 90292

Berthing: 478

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.97903 118.45188

(310) 578-0566

Panay Marina

13953 W. Panay Way

Marina Del Rey CA 90292

Berthing: 167

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.97905 118.45364

(310) 578-0566

Mariners Bay

14000 Palawan Way

Marina Del Rey CA 90292

Berthing: 409

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.9819 118.4561

(310) 822-2001

Marina City Club

4333 Admiralty Way

Marina Del Rey CA 90292

Berthing: 348

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.98482 118.45493

(310) 822-0611

California Yacht Club

4469 Admiralty Way

Marina Del Rey CA 90292

Berthing: 325

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.98362 118.44539

(310) 823-4567

Catalina Yacht Anchorage

13505 Bali Way

Marina Del Rey CA 90292

Berthing: 160

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.98082 118.44462

(310) 823-3684

Marina Del Rey Hotel Marina

13534 Bali Way

Marina Del Rey CA 90292

Berthing: 363

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.98151 118.44311

(310) 301-1000

Pacific Marina Venture

4635 Admiralty Way

Marina Del Rey CA 90744

Berthing: 412

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.98081 118.44091

(310) 823-4593

Santa Monica Yacht Club

13589 Mindanao Way

Marina Del Rey CA 90292

Berthing: 200

Marinas/Houseboat Areas E

Operational Divison: LA-D 33.97786 118.44397

(310) 823-2252

9841.3 Economical Sites - Marina Del Rey

The Boat Yard		<i>Marinas/Houseboat Areas E</i>	
13555 Fiji Way		Operational Divison: LA-D	33.97586 118.44188
Marina Del Rey	CA 90292		(310) 823-8964
Berthing: 108			
Marina Harbor		<i>Marinas/Houseboat Areas E</i>	
4422 Via Marina, Ste. 715		Operational Divison: LA-D	33.97163 118.45572
Marina Del Rey	CA 90292		(310) 822-6800
Berthing: 300			

9841.3 Economical Sites - Redondo King Harbor

SEA Laboratory

Aquariums/Marine Labs **D**

1100 N. Harbor Dr.

Operational Divison: LA-E 33.85195 118.3971

Redondo Beach CA 90277

(310) 318-7438

Research and hatchery facility.

Port Royal Marina

Parks, Beaches, Recreational Areas **E**

555 N. Harbor Dr.

Operational Divison: LA-E 33.84504 118.39258

Redondo Beach CA 90277

(310) 376-0431

Berthing: 348

Redondo Sportfishing Pier

Parks, Beaches, Recreational Areas **E**

233 N. Harbor Dr.

Operational Divison: LA-E 33.8436 118.39352

Redondo Beach CA 90277

(310) 372-2111

Pier - pier and charter boat fishing.

King Harbor Marina

Marinas/Houseboat Areas **E**

208 Yacht Club Way

Operational Divison: LA-E 33.8515 118.39809

Redondo Beach CA 90277

(310) 376-6926

Berthing: 837

Portofina Inn and Marina

Marinas/Houseboat Areas **E**

255 Portofina Way

Operational Divison: LA-E 33.84579 118.39737

Redondo Beach CA 90277

(310) 798-5869

Berthing: 234

Redondo Beach Marina

Marinas/Houseboat Areas **E**

181 N. Harbor Dr.

Operational Divison: LA-E 33.84198 118.39234

Redondo Beach CA 90277

(310) 374-3481

Berthing: 58

9841.3 Economical Sites - Los Angeles Harbor

LA City Fire Station 110 2945 Miner St., Berth 44-A San Pedro CA 90731 Berth 43. Fire boat #5.	Operational Divison: LA-G	<i>Fire/Safety</i> (310) 548-7545
LA City Fire Station 112 444 S. Harbor Blvd., Berth 86 San Pedro CA 90731 LA Berths 85 - 86. Fire boat #2.	Operational Divison: LA-G	<i>Fire/Safety</i> (310) 548-7542
LA City Fire Station 49 400 Yacht St., Berth 194 Wilmington CA 90744 Between Berths 194 and 195. Fire boats #4 and #49.	Operational Divison: LA-G	<i>Fire/Safety</i> (310) 548-7549
LA City Fire Station 111 1444 S. Seaside. Ave., Berth 256 San Pedro CA 90731 Fire boat #1.	Operational Divison: LA-G	<i>Fire/Safety</i> (310) 548-7541
Cabrillo Marine Aquarium 3720 Stephen M. White Dr. San Pedro CA 90731 Marine aquarium.	Operational Divison: LA-G	<i>Aquariums/Marine Labs D</i> 33.71146 118.28543 (310) 548-7562
Southern California Marine Inst. 820 S. Seaside Ave. Terminal Island CA 90731 Research facility with fish tanks.	Operational Divison: LA-G	<i>Aquariums/Marine Labs D</i> 33.73607 118.27031 (310) 519-3172
Sause Bros. Ocean Towing 1607 Pier D St. Long Beach CA 90802 Tug and tow service.	Operational Divison: LA-G	<i>Port/Harbor Facilities E</i> (310) 901-0365
Coast Maritime Services 267 E. 22nd St. Second Floor San Pedro CA 90733	Operational Divison: LA-G	<i>Port/Harbor Facilities E</i> (310) 521-8748
Southbay Oil Transport Ave., Suite 804 Long Beach CA 90802	Operational Divison: LA-G	<i>Port/Harbor Facilities E</i> (562) 435-8158

9841.3 Economical Sites - Los Angeles Harbor

U.S. Water Taxi*Port/Harbor Facilities E*

Berth 60

Operational Divison: LA-G

San Pedro CA 90731

(310) 519-8230

LA Berth 60

Westoil Marine Services Inc.*Port/Harbor Facilities E*

Berth 74

Operational Divison: LA-G

San Pedro CA 90731

(310) 549-2800

LA Berth 74. Barge service.

Millenium Maritime Inc.*Port/Harbor Facilities E*

Berth 74

Operational Divison: LA-G

San Pedro CA 90731

(310) 831-9200

LA Berth 74. Tug and tow service.

Crowley Marine Services*Port/Harbor Facilities E*

300 S. Harbor Blvd.

Operational Divison: LA-G

San Pedro CA 90731

(310) 732-6570

LA Berth 86. Tug and tow service.

AMNAV*Port/Harbor Facilities E*

110 Pine Ave., Suite 804

Operational Divison: LA-G

Long Beach CA 90802

(310) 901-3383

LA Berth 147

Seaway Company of Catalina*Port/Harbor Facilities E*

100 W. Water St.

Operational Divison: LA-G

Wilmington CA 90744

(310) 518-7099

LA Berth 184. Barge service to Santa Catalina Island.

Public Service Marine Inc.*Port/Harbor Facilities E*

401 Canal St.

Operational Divison: LA-G

Wilmington CA 90744

(310) 549-1700

LA Berths 186 - 189. Tug and barge service.

SoCal Ship Services*Port/Harbor Facilities E*

971 S. Seaside Ave.

Operational Divison: LA-G

Terminal Island CA 90731

(310) 519-8411

LA Berth 240X. Various services to the marine industry, including spill response.

American Marine Corp.*Port/Harbor Facilities E*

1500 S. Barracuda St.

Operational Divison: LA-G

Terminal Island CA 90731

(310) 832-3321

LA Berths 270 - 271. Marine support services.

9841.3 Economical Sites - Los Angeles Harbor

Pacific Tugboat Service, Inc.

1512 W. Pier C St.

Long Beach CA 90802
LB C58. Tug and tow service.

Port/Harbor Facilities E
Operational Divison: LA-G
(562) 590-8188

Foss Maritime Co.

Berth 35 Pier D St.

Long Beach CA 90802
LB D35. Tug and tow service.

Port/Harbor Facilities E
Operational Divison: LA-G
(562) 435-0171

Cabrillo Beach Fishing Pier

3720 Stephen M. White Dr.

San Pedro CA 90731
Pier - fishing.

Parks, Beaches, Recreational Areas E
Operational Divison: LA-G 33.70803 118.27767

Cabrillo Beach

3720 Stephen M. White Dr.

San Pedro CA 90731
Beach - day use and public boat launch ramp.

Parks, Beaches, Recreational Areas E
Operational Divison: LA-G 33.71001 118.28392

Ports O'Call Village

Berth 76, Nagoya Way

San Pedro CA 90731
Shops, restaurants, and sport fishing charters.

Parks, Beaches, Recreational Areas E
Operational Divison: LA-G 33.7336 118.27882

Port of Los Angeles

425 S. Palos Verdes St.

San Pedro CA 90731
LA Berths 49 - 53. Breakbulk and steel.

Moorings, Cargo Piers, Terminals, Fishing Piers E
Operational Divison: LA-G
Total Berth Length: 2100 ft. (310) 732-3860

Stevedoring Services of America

1525 Pier F Ave.

Long Beach CA 90802
LA Berths 54 - 55. Meat and produce shipping.

Moorings, Cargo Piers, Terminals, Fishing Piers E
Operational Divison: LA-G
Total Berth Length: 1340 ft. (310) 833-9606

World Cruise Center

Berth 93

Wilmington CA 90731
LA Berths 91 - 93. Several services for the Cruise industry. Several cruise lines use operate at this facility.

Moorings, Cargo Piers, Terminals, Fishing Piers E
Operational Divison: LA-G
(310) 514-4049

West Basin Containter Terminal

2050 John S. Gibson Blvd.

San Pedro CA 90731
LA Berths 100. Containerized cargo.

Moorings, Cargo Piers, Terminals, Fishing Piers E
Operational Divison: LA-G
Total Berth Length: 1200 ft. (310) 519-2349

9841.3 Economical Sites - Los Angeles Harbor

Kinder Morgan

LA Berths 118 - 120. Petroleum shipping.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
Total Berth Length: 825 ft. (310) 831-6566

West Basin Containter Terminal

2050 John S. Gibson Blvd.

San Pedro CA 90731

LA Berths 121 - 131. Containerized cargo.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
Total Berth Length: 3500 ft. (310) 519-2349

Trans Pacific Container Service Corp.

P.O. Box 1178

Wilmington CA 90748-1178

LA Berths 135 - 139. Containerized cargo.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
Total Berth Length: 4050 ft. (310) 830-2000

ConocoPhillips

LA Berths 148 - 151. Petroleum shipping.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
Total Berth Length: 1328 ft. (310) 952-6200

Crescent Warehouse Co.

LA Berth 153. Warehouse facilities.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
(310) 519-8661

Pacific Coast Fumigation Inc.

LA Berth 154. Warehouse facilities.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
(310) 514-1819

Port of Los Angeles

LA Berth 155A. Warehouse facilities.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
(310) 732-3860

Port of Los Angeles

LA Berth 155. Warehouse facilities.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
(310) 732-3860

Valero

LA Berth 163. Petroleum shipping.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
Total Berth Length: 888 ft. (310) 816-1200

9841.3 Economical Sites - Los Angeles Harbor

Ultramar

LA Berth 164. Petroleum shipping.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
Total Berth Length: 888 ft. (310) 934-7254

Borax

300 Falcon St.

Wilmington CA 90744

LA Berths 165 - 166. Industrial borate shipping.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
Total Berth Length: 679 ft. (310) 522-5369

Tesoro

LA Berths 167 - 169. Petroleum shipping.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
Total Berth Length: 1238 ft. (310) 816-2307

Pasha

802 S. Fries Ave.

Wilmington CA 90744

LA Berths 174 - 181. Steel shipping.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
Total Berth Length: 3300 ft. (310) 233-2000

Vopak

LA Berths 187 - 191. Petroleum terminal.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
Total Berth Length: 2336 ft. (310) 549-2308

Wallenius Wilhelmsen Logistics

500 E. Water St.

Wilmington CA 90744

LA Berths 195 - 199. Automobile shipping terminal.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
(310) 835-6000

Port of Los Angeles Container Terminal

425 S. Palos Verdes St.

San Pedro CA 90731

LA Berths 206 - 209. Containerized cargo.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
Total Berth Length: 2180 ft. (310) 732-3860

Yusen Terminal

701 New Dock St.

Terminal Island CA 90731

LA Berths 206 - 209. Containerized cargo.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
Total Berth Length: 5800 ft. (310) 548-8000

Hugo Neu-Proler

901 New Dock St.

Terminal Island CA 90731

LA Berths 210 - 211. Metal scrap shipping.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**
Operational Divison: LA-G
Total Berth Length: 1500 ft. (310) 831-0281

9841.3 Economical Sites - Los Angeles Harbor

Seaside Terminal

389 Terminal Island Way

Terminal Island CA 90731

LA Berths 226 - 236. Containerized cargo.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

(310) 241-1700

Exxonmobile

LA Berths 238 - 240C

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 903 ft. (310) 241-5021

APL Terminal

614 Terminal Way

Terminal Island CA 90731

LA Berths 302 - 305. Containerized cargo.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 4000 ft. (310) 548-8700

APM Terminal

2500 Navy Way

Terminal Island CA 90731

LA Berths 401 - 406. Containerized cargo.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 7190 ft. (310) 221-4000

Cabrillo Marina

224 Whalers Walk

San Pedro CA 90733

Berthing: 860

Marinas/Houseboat Areas **E**

Operational Divison: LA-G 33.71745 118.28224

(310) 732-2252

Holiday Harbor-San Pedro

241 Watchorn Walk, Berth 34

San Pedro CA 90731

Berthing: 300

Marinas/Houseboat Areas **E**

Operational Divison: LA-G 33.72183 118.2818

(310) 833-4468

Cabrillo Landing

291 W. 22nd St.

San Pedro CA 90731

Berthing: 200

Marinas/Houseboat Areas **E**

Operational Divison: LA-G 33.72483 118.28245

(310) 519-1694

Skipper's 22nd St. Landing

141 W. 22nd St.

San Pedro CA 90731

Berthing: 25. Open party and charter boat sportfishing.

Marinas/Houseboat Areas **E**

Operational Divison: LA-G 33.72502 118.28124

(310) 832-8304

Cabrillo Way Marina

2500 Miner St.

San Pedro CA 90833

Berthing: 550

Marinas/Houseboat Areas **E**

Operational Divison: LA-G 33.72052 118.27565

(310) 832-0334

9841.3 Economical Sites - Los Angeles Harbor

San Pedro Marina

Marinas/Houseboat Areas E

950 Samson Way, Berth 80

Operational Divison: LA-G 33.7336 118.27882

San Pedro CA 90731

(310) 519-8177

Berthing: 96

R&L Fellows Co.

Marinas/Houseboat Areas E

Berth 99

Operational Divison: LA-G 33.76374 118.24449

Terminal Island CA 90731

(310) 832-4557

Berthing: 40

Island Yacht Anchorage 2

Marinas/Houseboat Areas E

801 Henry Ford Ave., Berth 200-X

Operational Divison: LA-G 33.77232 118.24779

Wilmington CA 90744

(310) 830-3382

Berthing: 125

Leeward Bay Marina

Marinas/Houseboat Areas E

611 Henry Ford Ave.

Operational Divison: LA-G 33.77764 118.2431

Wilmington CA 90744

(310) 830-5621

Berthing: 180

Holiday Harbor-Wilmington

Marinas/Houseboat Areas E

Berth 201

Operational Divison: LA-G 33.76848 118.24975

Wilmington CA 90744

(310) 833-4468

Berthing: 200

California Yacht Marina

Marinas/Houseboat Areas E

Berth 202, #36

Operational Divison: LA-G 33.76742 118.25045

Wilmington CA 90744

(310) 834-7113

Berthing: 268

Yacht Haven

Marinas/Houseboat Areas E

Berth 202

Operational Divison: LA-G 33.76651 118.24957

Wilmington CA 90744

(310) 834-6892

Berthing: 168

Pacific Yacht Landing

Marinas/Houseboat Areas E

Berth 203

Operational Divison: LA-G 33.76559 118.24959

Wilmington CA 90744

(310) 830-0260

Berthing: 178

Newmark's Yacht Center

Marinas/Houseboat Areas E

Berth 204

Operational Divison: LA-G 33.76449 118.25032

Wilmington CA 90744

(310) 834-5016

Berthing: 240

9841.3 Economical Sites - Los Angeles Harbor

Colonial Yacht Anchorage

Marinas/Houseboat Areas E

Berth 204, Anchorage Rd.

Operational Divison: LA-G 33.76589 118.24604

Wilmington CA 90744

(310) 830-1161

Berthing: 135

Lighthouse Yacht Club

Marinas/Houseboat Areas E

Anchorage Rd., Berth 205-B

Operational Divison: LA-G 33.76616 118.24488

Wilmington CA 90744

(310) 834-9595

Berthing: 75

Cerritos Yacht Anchorage

Marinas/Houseboat Areas E

Berth 205-C

Operational Divison: LA-G 33.76651 118.2434

Wilmington CA 90744

(310) 834-4737

Berthing: 95

Island Yacht Anchorage 1

Marinas/Houseboat Areas E

801 Henry Ford Ave., Berth 205-D

Operational Divison: LA-G 33.76689 118.242

Wilmington CA 90744

(310) 830-1111

Berthing: 100

Catalina Express Terminal

Ferries/Tour Boats E

Berth 95

Operational Divison: LA-G 33.74866 118.28013

San Pedro CA 90731

(310) 519-7971

Passenger boat to Santa Catalina Island.

9841.3 Economical Sites - Long Beach Harbor

Aquarium of the Pacific

Aquariums/Marine Labs D

100 Aquarium Way

Operational Divison: LA-H 33.76205 118.197

Long Beach CA 90802

(562) 590-3100

Marine aquarium.

Belmont Shore

Parks, Beaches, Recreational Areas E

Alamitos Ave. to Belmont Pier

Operational Divison: LA-H

Long Beach CA 90803

Beach - day use. From 33.76206 118.18152 to 33.75799 118.14825.

Alamitos Beach

Parks, Beaches, Recreational Areas E

Belmont Pier to Alamitos Bay

Operational Divison: LA-H 33.75799 118.14825

Long Beach CA 90803

Beach - day use. From 33.75799 118.14825 to 33.74422 118.11795.

Shoreline Village

Parks, Beaches, Recreational Areas E

429 Shoreline Village Dr.

Operational Divison: LA-H 33.76044 118.18927

Long Beach CA 90802

Shops, restaurants, and tourist attractions.

Queen Mary

Parks, Beaches, Recreational Areas E

1126 Queens Highway, Pier J

Operational Divison: LA-G 33.75284 118.18871

Long Beach CA 90802

Shops, restaurants, and hotels.

Belmont Pier

Parks, Beaches, Recreational Areas E

Ocean Blvd. & 39th Pl.

Operational Divison: LA-H 33.75978 118.14789

Long Beach CA 90809

Pier.

SSA Long Beach

Moorings, Cargo Piers, Terminals, Fishing Piers E

700 Pier A Plaza

Operational Divison: LA-G

Long Beach CA 90813

Total Berth Length: 3600 ft. (562) 491-4081

LB A88 - A96. Containerized cargo.

BP Pipelines, NA

Moorings, Cargo Piers, Terminals, Fishing Piers E

1350 Pier B St.

Operational Divison: LA-G

Long Beach CA 90813

Total Berth Length: 2200 ft. (562) 499-2210

LB B76 - B78. Petroleum terminal.

Toyota Logistics Services, Inc.

Moorings, Cargo Piers, Terminals, Fishing Piers E

785 Edison Ave.

Operational Divison: LA-G

Long Beach CA 90813

Total Berth Length: 1300 ft. (562) 901-1216

LB B82 - B83. Automobile terminal.

9841.3 Economical Sites - Long Beach Harbor

National Gypsum Co.

1850 Pier B St.

Long Beach CA 90813

LB B82. Bulk gypsum.

Moorings, Cargo Piers, Terminals, Fishing Piers E

Operational Divison: LA-G

Total Berth Length: 650 ft. (562) 435-4465

Petro-Diamond

1920 Luggar Way

Long Beach CA 90813

LB B82 - B83. Petroleum terminal.

Moorings, Cargo Piers, Terminals, Fishing Piers E

Operational Divison: LA-G

Total Berth Length: 1060 ft. (562) 435-8364

Shell Oil Products U.S.

Berth 84, Pier B

Long Beach CA 90802

LB B84 - B87. Petroleum terminal.

Moorings, Cargo Piers, Terminals, Fishing Piers E

Operational Divison: LA-G

Total Berth Length: 1980 ft. (310) 522-6000

SSA Pier C

1521 Pier C St.

Long Beach CA 90813

LB C60 - C62. Containerized cargo.

Moorings, Cargo Piers, Terminals, Fishing Piers E

Operational Divison: LA-G

Total Berth Length: 1800 ft. (562) 495-8657

California United Terminals

1200 Pier E St.

Long Beach CA 90802

LB D28 - D31. Breakbulk general.

Moorings, Cargo Piers, Terminals, Fishing Piers E

Operational Divison: LA-G

Total Berth Length: 1985 ft. (562) 435-8235

Baker Commodities, Inc.

Berth D30, Pier D St.

Long Beach CA 90802

LB D30 - D31. Food grade oils.

Moorings, Cargo Piers, Terminals, Fishing Piers E

Operational Divison: LA-G

Total Berth Length: 700 ft. (562) 436-1137

Pacific Coast Cement

601 Pier D Ave.

Long Beach CA 90802

LB D32 - D33. Bulk cement.

Moorings, Cargo Piers, Terminals, Fishing Piers E

Operational Divison: LA-G

Total Berth Length: 680 ft. (562) 435-0195

California United Terminals

1200 Pier E St.

Long Beach CA 90802

LB D34. Steel and breakbulk general.

Moorings, Cargo Piers, Terminals, Fishing Piers E

Operational Divison: LA-G

Total Berth Length: 927 ft. (562) 435-8235

G.P. Gypsum

1401 Pier D St.

Long Beach CA 90802

LB D46. Gypsum.

Moorings, Cargo Piers, Terminals, Fishing Piers E

Operational Divison: LA-G

Total Berth Length: 640 ft. (562) 435-7094

9841.3 Economical Sites - Long Beach Harbor

Forest Terminals

Berth D50, Pier D

Long Beach CA 90802

LB D50 - D54. Newsprint and lumber.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 2370 ft. (562) 432-5401

California United Terminals

1200 Pier E St.

Long Beach CA 90802

LB E12 - E13. Bananas, steel, and rolling stock.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 2696 ft. (562) 435-8235

California United Terminals

1200 Pier E St.

Long Beach CA 90802

LB E24 - E26. Containerized cargo.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 2100 ft. (562) 435-8235

Long Beach Container

1171 Pier F Ave.

Long Beach CA 90802

LB F6 - F10. Containerized cargo.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 2750 ft. (562) 435-8585

Port of Long Beach Standby Berth

Long Beach CA

LB F201. Standby berth.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

(562) 590-4180

Cooper T. Smith

1480 Pier F Ave.

Long Beach CA 90802

LB F204 - F205. Steel products, plywood, and lumber.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 1265 ft. (562) 436-2259

Crescent Terminal (SSA)

Berth 206, Pier F

Long Beach CA 90802

LB F206 - F207. Steel products, plywood, lumber, project cargo, and large machinery.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 1200 ft. (562) 432-6447

Chemoil Marine Terminal

1004 Pier F Ave.

Long Beach CA 90802

LB F209 - G211A. Petroleum terminal.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 800 ft. (562) 901-1960

Morton Salt Co.

1050 Pier F Ave.

Long Beach CA 90802

LB F210. Bulk salt.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 700 ft. (562) 437-2451

9841.3 Economical Sites - Long Beach Harbor

Koch Carbon, Inc.

1020 Pier F Ave.

Long Beach CA 90802-6275

LB F211. Petroleum coke.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 1100 ft. (562) 436-4680

Metropolitan Stevedore Co.

1045 Pier G Ave.

Long Beach CA 90802

LB G212 - G215. Various dry bulk goods.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 1900 ft. (562) 983-8520

International Transportation Service

1281 Pier J Ave.

Long Beach CA 90802

LB G226 - G236. Containerized cargo.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 6379 ft. (562) 435-7781

Pacific Container

1521 Pier J Ave.

Long Beach CA 90802

LB J243 - J247 and J266 - J270. Containerized cargo.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 5900 ft. (562) 983-1001

Vopak Terminal Long Beach

3601 Dock St.

San Pedro CA 90731

LB S101. Petroleum terminal.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 700 ft. (310) 732-5072

Pacific Coast Recycling Co.

482 Pier T Ave. Berth 118

Long Beach CA 90802

LB T118. Recyclable metal and steel products.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 900 ft. (562) 628-8100

BP Pipelines, NA

1350 Pier B St.

Long Beach CA 90813

LB T121. Petroleum terminal.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 1140 ft. (562) 499-2210

Weyehaeuser Company

280 Pier T Ave.

Long Beach CA 90802

LB T122. Lumber and lumber products.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 600 ft. (562) 464-1772

TTI/Hanjin Shipping. Co.

301 Hanjin Rd.

Long Beach CA 90802

LB T132 - T140. Containerized Cargo.

Moorings, Cargo Piers, Terminals, Fishing Piers **E**

Operational Divison: LA-G

Total Berth Length: 5000 ft. (562) 256-2700

9841.3 Economical Sites - Long Beach Harbor

Downtown Marina

Marinas/Houseboat Areas E

450 E. Shoreline Dr.

Operational Divison: LA-H

33.76358 118.18254

Long Beach CA 90882

(562) 570-4950

Berthing 1830

Catalina Express Terminal

Ferries/Tour Boats E

320 Golden Shore Blvd.

Operational Divison: LA-H

33.76445 118.19851

Long Beach CA 90802

Passenger boat to Santa Catalina Island.

Rainbow Harbor

Ferries/Tour Boats E

100 Aquarium Way

Operational Divison: LA-H

33.76207 118.19141

Long Beach CA 90802

Sportfishing charters, yacht charters, tour boats, and water taxis.

9841.3 Economical Sites - Alamitos Bay

Marine Stadium

Vessel Traffic Areas **E**

Appian Way & 2nd St.

Operational Divison: LA-H 33.76157 118.12207

Long Beach CA 90803

Rowing competitions and marine sporting events.

Marine Park/Mother's Beach

Parks, Beaches, Recreational Areas **E**

5839 Appian Way

Operational Divison: LA-H

Long Beach CA 90803

Beach - day use.

M.P. Boat Slips Co.

Marinas/Houseboat Areas **E**

6201 E. 2nd St.

Operational Divison: LA-H 33.76277 118.11389

Long Beach CA 90803

(562) 498-7318

Berthing: 198

Cerritos Bahia Marina

Marinas/Houseboat Areas **E**

6289 E. Pacific Coast Highway

Operational Divison: LA-H 33.76557 118.11474

Long Beach CA 90803

(562) 431-6575

Berthing: 276

Alamitos Bay Marina

Marinas/Houseboat Areas **E**

205 Marina Dr.

Operational Divison: LA-H 33.74977 118.11194

Long Beach CA 90803

(562) 570-3215

Berthing: 1975

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